



FLORIDA STATE UNIVERSITY

General Bulletin

2008 — 2009

Undergraduate Edition

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FLORIDA STATE UNIVERSITY

**College of Arts and
Sciences**

College of Business

**College of
Communication**

**College of Criminology
and Criminal Justice**

College of Education

**FAMU-FSU College of
Engineering**

**College of Human
Sciences**

College of Information

College of Law

College of Medicine

**College of Motion
Picture, Television,
and Recording Arts**

College of Music

College of Nursing

**College of Social
Sciences**

College of Social Work

**College of Visual Arts,
Theatre and Dance**

General Bulletin

2008-2009

PRESIDENT'S MESSAGE



Florida State University has earned a growing national reputation as a public graduate research university that blends outstanding teaching with research that advances our community, our state, the nation, and the world. We are home to a talented community of learners who are committed to excellence and engaged together in the pursuit of knowledge in the classroom, in the research lab, and through community outreach.

Our dedication to excellence encompasses many realms. Ranked as a Doctoral/Research University-Extensive—the highest category awarded by the Carnegie Foundation—and with many of our colleges ranked among the country's finest, we stand firmly in the ranks of 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.

In the realm of scientific excellence, the National High Magnetic Field Laboratory, which houses the most powerful magnets in the world, is located on our campus. The prestigious Center for Applied Superconductivity made its home on FSU's campus in 2006. Our powerful supercomputers have contributed to advances in hurricane forecasting, and the United States Navy chose Florida State University to develop the advanced power systems that will drive its next generation of ships.

Our external research awards continue to increase, and our endowment multiplied six-fold in less than a decade. These achievements are truly marks of our excellence as an academic institution. To further strengthen this university's reputation, we have initiated "Pathways of Excellence," an innovative, multi-year plan aimed

toward moving Florida State to a new level of distinction in the academic world.

Our excellence also shines in realms 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 great reputation. Our students supplement their academic pursuits with community-service time outside of the classroom, and each year they record hundreds of thousands of hours of service. In uncountable ways, this university reaches out to our community, region, state, and nation.

With a dedicated faculty and staff, a commitment to strong graduate and undergraduate programs, 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.

A handwritten signature in black ink that reads "T.K. Wetherell". The signature is written in a cursive, flowing style.



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UNIVERSITY CALENDAR

Opening and Closing Dates

	2008	2009	2010
Fall	August 25—December 12	August 24—December 11	August 23—December 10
Homecoming	TBA	TBA	TBA
	2009	2010	2011
Spring	January 6—May 1	January 6—April 30	January 4—April 29
Spring Break	March 9—13	March 8—March 12	March 7—March 11
	2009	2010	2011
Summer			
13 Week Session (A)	May 11—August 7	May 10—August 6	May 9—August 5
First 6 Week Session (B)	May 11—June 19	May 10—June 18	May 9—June 17
First 8 Week Session (F–Law)	May 11—July 2	May 10—July 1	May 9—June 30
Second 8 Week Session (D)	June 15—August 7	June 15—August 6	June 20—August 12
Second 6 Week Session (C)	June 29—August 7	June 28—August 6	June 27—August 5

Legal Holidays (no classes)

	2008	2009	2010
New Year's Day	Tues., January 1	Thurs., January 1	Fri., January 1
Martin Luther King, Jr. Day	Mon., January 21	Mon., January 19	Mon., January 18
Memorial Day	Mon., May 26	Mon., May 25	Mon., May 31
Independence Day	Fri., July 4	Fri., July 3 (observed)	Mon., July 5 (observed)
Labor Day	Mon., September 1	Mon., September 7	Mon., September 6
Veteran's Day	Tues., November 11	Wed., November 11	Thurs., November 11
Thanksgiving Day	Thurs., November 27	Thurs., November 26	Thurs., November 25
Friday after Thanksgiving	Fri., November 28	Fri., November 27	Fri., November 26
Christmas Day	Thurs., December 25	Fri., December 25	Fri., December 24 (observed)

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

Admission/Readmission/Special/Transient Application Deadlines

	Fall 2008	Spring 2009	Summer 2009
Undergraduate			
Freshman ¹	February 13		January 28
Transfer	July 1	November 1	March 1
Graduate²	July 1	November 1	March 1
Readmission			
Undergraduate	July 1	November 1	March 1
Graduate ²	July 1	November 1	March 1
Special Student			
Undergraduate	July 1	November 1	March 1
Graduate	July 1	November 1	March 1
Transient Student			
Undergraduate ³	July 1	November 1	March 1
Graduate	July 1	November 1	March 1

¹ Subject to change each year. The University accepts freshman applications for only the summer and fall terms.

² 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 consideration for financial awards.

³ Includes the Tallahassee Community College/Florida State University Cooperative Program.

All information used to make an admission decision must be received by the published deadline. Additionally, the University reserves the right to close earlier if warranted by enrollment limitations.

FALL 2008 ACADEMIC CALENDAR

Note: The dates and times listed below are subject to change.

Mar. 17–Apr. 18, 2008	Registration for currently enrolled and readmitted degree-seeking students. See “Registration Windows.”	Sept. 29, 2008	Spring 2009 <i>Registration Guide</i> available. Spring 2009 course listings available on Course Lookup System.
July 1, 2008	Last Day community college students can apply for Fall 2008 Cooperative Program registration.	Oct. 4, 2008	CLAST exam given.
Aug. 20, 2008	Residence Halls open at 9:00 a.m.	Oct. 10, 2008	End of seventh week of classes. 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 (12) semester hours. Last day to drop a course without receiving a grade. Last day to withdraw without receiving a grade.
Aug. 22, 2008	Last day to file for change in residency status.		
Aug. 23–Aug. 28, 2008	Registration for Florida National Guard using fee waivers. Drop/Add, (includes College of Law) 8:00 a.m.–midnight.	Oct. 13, 2008	Registration for Spring 2009 begins.
Aug. 25, 2008	Classes Begin. CLAST Registration Begins, (850) 644-3181. Application window opens for Graduation Fall 2008 (visit http://campus.fsu.edu and log on to Secure Apps).	Oct. 31, 2008	Financial Aid and Veterans’ Deferments Expire. Fall tuition payment must be received to avoid a late payment fee.
Aug. 25–Aug. 28, 2008	Late Registration (\$100.00 late registration fee.) FAMU–FSU Co-op Program Registration at the Office of the Registrar, UCA 3900.	Nov. 1, 2008	Last day community college students can apply for Spring 2009 Cooperative Program Registration.
Aug. 27, 2008	Last day to submit waivers or billings.	Nov. 3, 2008	Official Thesis/Dissertation manuscript approval deadline, 408 Westcott.
Aug. 28, 2008	Last day to Drop/Add and have fees adjusted. Students are liable for all fees for courses still on their schedules at midnight. Last day to add a course without academic dean’s permission.	Nov. 10, 2008	Official Thesis/Dissertation copies due to manuscript clearance advisor, 408 Westcott.
Aug. 29, 2008	Fifth Day of Classes. Last day to cancel enrollment and have fees removed. Registration for state employees (non-FSU employees) using State Employee Fee Waivers (see ‘State Employee Fee Registration’ in “Registration Information” for instructions). Last day to request VA deferment from VA representative in Registrar’s Office.	Nov. 11, 2008	Veterans’ Day Holiday. No Classes.
		Nov. 14, 2008	End of 12th week of classes. Deadline for late drop with dean’s permission.
Sept. 1, 2008	Labor Day. No Classes.	TBA	Homecoming: No classes after 1:10 p.m.
Sept. 2, 2008	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 .	Nov. 27–28, 2008	Thanksgiving Day Holiday. No classes.
		Dec. 5, 2008	Last day to turn in ServScript verification forms. Last Day of Classes. Financial Aid Exit Interview for all students with federal loans graduating, transferring, or taking less than six (6) semester hours at http://campus.fsu.edu . Last day to officially withdraw from the University. Last day to apply for AA Certificate at the Office of Undergraduate Studies, UCA 3400
Sept. 5, 2008	Last day to Register for CLAST exam, (850) 644-3181. 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.		Dec. 8–12, 2008
Sept. 12, 2008	Last day to file for Fall 2008 Graduation at the Office of the University Registrar, UCA 3900 (visit http://campus.fsu.edu and log on to Secure Apps).	Dec. 12, 2008	Semester Ends.
		Dec. 13, 2008	Residence Halls close at noon. Commencement, Civic Center, 9:00 a.m. Diplomas dated this date.
		Dec. 16, 2008	Online Grades Due by 4:00 p.m.
		Dec. 17, 2008	Grades available online.

UNIVERSITY NOTICES

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' in the "Academic Regulations and Procedures" chapter in this *Bulletin* for additional information.

Equal Employment Opportunity and Non-Discrimination Statement

Florida State University (University) is 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, veteran's or marital status, or any other protected group status. This policy applies to faculty, staff, students, visitors and contractors in a manner consistent with applicable federal and state laws, regulations, ordinances, orders and rules, and University policies, procedures and processes.

The University's standards of civility and collegiality recognize the dignity and value that each person contributes. In pursuing its mission of excellence as a comprehensive, graduate-research university with a liberal arts base, it is the policy of the University to create and maintain a harmonious, high performing work and educational environment. It is management's intent for the work environment to be conducive to the betterment of the University.

The University realizes that there is an advantage in incorporating diversity and inclusion to achieve its mission and objectives. Further, it is the aim of the University in all lawful ways to carry forward its mission by:

- Ensuring accessibility of programs (including athletics), services and activities;
- Implementing policies and procedures that ensure that opportunities are available equitably to all;
- Building a multidimensional, diverse workforce reflective of availability;
- Fostering leadership and direction that promote an accountable, highly participatory, effective institution of higher learning at all levels; and
- Communicating the same to all individuals in various formats as applicable.

To facilitate or otherwise strive to ensure university-wide compliance, diversity and inclusion, the University President has appointed Renisha Gibbs, Director, Human Resources/Office of Diversity and Compliance and Chief Diversity Officer to develop, administer, and coordinate university-wide initiatives. This will be accomplished through collaboration with the Office of the Dean of the Faculties and all other divisions and departments. Further, Human Resources and the Office of the Dean of the Faculties serve the University in helping to create an educational environment that promotes fairness, respect and trust and that is free from mistreatment, discrimination and harassment. Questions, complaints, issues and concerns regarding the above may be directed to your manager or supervisor, or the Office of Diversity and Compliance at (850) 645-6519.

Persons with Disabilities

Florida State University adheres to Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 (ADA) in prohibiting discrimination against any qualified person 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. For matters related to employment and reasonable accommodations, contact the Florida State University Human Resources/Office of Diversity and Compliance, *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. These counselors are: Celeste Paquette, M.D., Medical Director, Thagard Student Health Center, (850) 644-2026; James Hennessey, Ph.D., Student Counseling, (850) 644-2003; and Melvena Wilson, MPH, CHES, (850) 644-8871. Confidential HIV testing is available for students and staff at Thagard Student Health Center. Any interested individuals should call (850) 644-8871 to schedule an appointment.

Sexual Harassment Policy

1. **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 Florida State University, whether by faculty, students, or staff or by others while on property owned by or under the control of the University.
2. **Office of Audit Services:** The Office of Audit Services (OAS) is charged with receiving and investigating sexual harassment complaints as set forth in this policy and shall maintain the records pertaining thereto. Within the OAS, the Coordinator of Sexual Harassment Resolutions has primary responsibility for leading these investigations.
3. **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.
4. **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
 - 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 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 OAS, 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 OAS. 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 the Dean of the Faculties (for faculty), the Office of the Dean of Students (for students), or the Department of Human Resources (for non-faculty employees). 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 Audit Services
 - The Office of the Dean of the Faculties
 - The Office of the Dean of Students
 - The Department of Human Resources
 - A student's 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 OAS.

- 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 OAS:** The complaint shall immediately be forwarded to the OAS. 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 OAS 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 OAS will refer the matter to the Office of the General Counsel for appropriate action. If the OAS determines that the alleged perpetrator is a student or employee, the OAS 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 OAS 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 OAS 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 OAS will elicit from the complainant, proposed actions the complainant believes are necessary to address or resolve the alleged harassment. The OAS 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 OAS will thoroughly investigate complaints alleging violations of this policy with the assistance, as needed, of the following: the Office of the Dean of the Faculties, the Department 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 OAS will forward a copy of the complaint and any associated materials to the Office of the Dean of Students, which will, if appropriate, adjudicate the matter under the Code of Student Conduct. The Dean of Students shall notify the OAS 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 OAS:** The OAS 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 OAS's report, consultation with the Dean of the Faculties 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 OAS of the outcome. The OAS 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 OAS 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 Florida State University in hard copy (policy brochures, student handbooks, the *General and Graduate Bulletins*, etc.), electronic format (<http://www.auditservices.fsu.edu>), 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 OAS.
 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 Audit Services, 407 Westcott Building, (850) 644-6031, or by calling the Florida State University Sexual Harassment Hotline, (850) 644-9013. Staff is also available in the following offices to assist victims of sexual harassment: A student victim may report to Dean of Students, 4322 University Center A, (850) 644-2428; a faculty victim may report to Dean of Faculties, 314 Westcott Building, (850) 644-6876; an A&P, USPS or OPS victim may report to Human Resources, 6219 University Center A, (850) 645-6519.

Mission Statement (Approved by BOR, July 28, 1988; revised, May 21, 1999; updated 2002)

Mission: Florida State University is a comprehensive, graduate-research university with a liberal arts base. It offers undergraduate, graduate, advanced graduate, and professional programs of study; conducts extensive research, and provides service to the public in accord with its statewide mission. The University's primary role is to serve as a center for advanced graduate and professional studies while emphasizing research and providing excellence in undergraduate programs.

In accordance with the University's mission, faculty members have been selected for their commitment to excellence in teaching, their ability in research and creative activity, and their interest in public service. Among the faculty are recipients of many national and international honors, who have included four Nobel laureates and ten members of the National Academy of Sciences.

Given its history, location, and accomplishments, Florida State University does not expect major changes in its mission during the next decade. Rather, it sees further refinement of that mission with concentration on its strong liberal arts base and on quality in its teaching, research, and public service. The University has established its reputation upon areas of strength by building excellence in the four components of the Science Development Program—physics, chemistry, psychobiology (now neuroscience), and statistics—together with the physical, biological, earth, and mathematical sciences closely related to them. Excellence in these and related areas, particularly materials science, resulted in relocation of the National High Magnetic Field Laboratory to Florida State. Enhancement of the fine and performing arts began with the establishment of the Center for Music Research in the already prestigious College of Music and includes prominent programs in Theatre, Dance, and the Visual Arts. Within the areas of humanities, the Departments of English, Philosophy, Religion, and Humanities are particularly distinguished. Special emphasis in economic policy and government has been directed to the College of Social Sciences' Departments of Economics, Geography, Political Science, Urban and Regional Planning, and School of Public Administration and Policy and to its DeVoe L. Moore and Family Center for Economic Policy and Government and the public policy components of the College of Criminology and Criminal Justice, the College of Social Work, and the College of Education.

The University's location in the state's capital city provides great opportunity for service and interaction among governmental agencies and the social science and professional schools, especially the colleges of Business and Law and the Pepper Institute on Aging and Public Policy. Special resources, such as the School of Computational Science and the Florida State Conference Center, enhance its ability to deliver such service. The University is strongly committed to its mission in international education. It provides study-abroad opportunities for its students and faculty through the Florence and London Study Centers, which it operates for the State University System, and through programs in Barbados, Costa Rica, the Republic of Panama, Switzerland, Russia, Cetamura, Italy, Oxford, England, and in Central and Eastern Europe. The University co-sponsors Florida bi-national linkage institutes in Costa Rica and France.

As a comprehensive residential state university, Florida State University attracts students from every county in Florida, every state in the nation, and 133 foreign countries. The University is committed to high admission standards that ensure quality in its student body, which currently includes 89 National Merit, National Achievement and Hispanic scholars, as well as students with superior creative talents. It also provides alternative admission and highly successful retention programs for special student populations. Most students pursue a full-time course of study in normal progression from high school or undergraduate institutions. Graduate students, who comprise 20.2 percent of the student body, are enrolled in over 205 graduate degree programs of which 73, covering 138 fields, are doctoral. The median age of all students is 23.1 and approximately 6.7 percent, mostly graduate students, are over 31 years old.

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, national origin, age, and disability. 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 acknowledgment 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.

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.

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*.

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.

fsu.edu Official E-mail Accounts for All Students at Florida State University

The official method of communication at Florida State University is your fsu.edu 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 fsu.edu official account forwarded to another e-mail account, you are still held responsible for all information distributed by the University to your fsu.edu account. To obtain your fsu.edu email account, visit <http://www.ucs.fsu.edu/getStarted.html>.

Student Addresses

Students are required to maintain their current local and permanent addresses with the university. Address updates may be done online at <http://campus.fsu.edu> or in person at the Office of the University Registrar, 3900 University Center A.

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 environment. 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.

- I. 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 Dean of the Faculties, 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 Dean of the Faculties 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, the Dean of the Faculties 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 Dean of Faculties 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 the Thagard Student Health Center [644-8871; Web site is <http://www.tshc.fsu.edu/he/>]
- (b) Office of Residence Life [644-2860; Web site is <http://housing.fsu.edu/index.html>]
- (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 KARMA (Knowing About the Responsible Management of Alcohol and other drugs), Peer Educators [644-8871], PAR (Partnership for Alcohol Responsibility) [644-6489] at Thagard Student Health Center, and GAMMA (Greeks Advocating the Mature Management of Alcohol).
- (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://www.fsu.edu/~nursing/>.
- (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; Web site is <http://www.lib.fsu.edu/digitalmc.html>].
- (g) SMART (Students Making Alcohol and Other Drug Responsibility Theirs) Choices consists of two, two-hour class sessions and an interactive on-line program at Thagard Student Health Center 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. 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, whose fees are based on annual income [644-1588; Web site is <http://www.chs.fsu.edu/fcs/mft/center.php>].
- (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) MyStudentBody.com offers personalized and confidential health information [Web site is <http://www.mystudentbody.com>].

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.

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, and digestive problems.

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 UNIVERSITY

University History

Florida State University, one of the largest and oldest of the eleven institutions of higher learning in the State of Florida, Division of Colleges and Universities, 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, 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, Licentiates 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 (BA) 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 (Ph. D.) 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 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 Panama Canal Branch was opened, and the Program in Medical Sciences was established. The first black student enrolled in 1962, and the first black Ph.D. 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, Florida State University has added to its academic organization and now comprises 16 colleges. It has expanded from the original few acres and buildings to 665 buildings on nearly 1,545.5 acres, including the downtown Tallahassee main campus of 451.6 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 fifty-six years after its founding, Florida State University started the 2007-2008 academic year with a student population of over 41,000 and recognition as a major graduate research institution with an established international reputation.

The Fall 2007 enrollment totaled 41,065 students from all 50 states, the District of Columbia, and 128 countries. The breakdown by class included 6,644 freshmen, 6,480 sophomores, 8,630 juniors, 9,754 seniors, 766 law students, 2,239 special students, and 8,529 graduate students. Of the student body, 44.3% are men, 55.7% women. The faculty totaled 2,359.

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

Florida State University is one of eleven units of the Division of Colleges and Universities (DCU) of the State Board of Education (SBOE). The State Board of Education, 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) coordinates the State University System. The SBOE and FBOG oversee the 13-member Boards of Trustees for each of Florida's public universities through the Chancellor of Colleges and Universities. 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. Florida State University also offers degree programs in Panama City, Sarasota, and the Republic of Panama; instructional programs in London, Florence, and Valencia; and research, development, and/or service programs in Costa Rica, Croatia, and Italy.

The chief executive officer of Florida State University is the President. He is assisted by the Provost (who is also the Vice President for Academic Affairs), the Dean of the Faculties and Deputy Provost, the Vice President for Finance and Administration, the Vice President for Student Affairs, the Vice President for Research, the Vice President for University Relations, the Director of University Communications, 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 the Dean of the Faculties and Deputy Provost, which administers all faculty personnel matters, 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 Office of Graduate Studies, which is responsible for the recruitment and advising of graduate students; 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 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 Florida State University at Panama City. Located 100 miles west of Tallahassee on beautiful North Bay, the Panama City campus provides opportunities for undergraduate and graduate study in 15 programs leading to the bachelor's degree, 20 programs leading to the master's degree and two programs leading to the specialist's degree. To complement the local community college, the Panama City campus offers no courses at the freshman and sophomore levels. Applicants for admission must complete the first two years of college work elsewhere.

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. About 80 percent of the courses are taught by faculty who teach at both the Panama City campus and the main campus. This ensures a quality of instruction reflecting the standards and values that are predominant on the main campus.

Colleges

The academic organization of the University comprises 16 colleges. One of these, the College of Engineering, is a joint program of the Florida Agricultural and Mechanical University (FAMU) and Florida State University. The colleges offer courses of study in 26 major disciplines. In addition to the associate in arts (AA) certificate, they offer 94 authorized baccalaureate degree programs covering 194 fields, 102 authorized master's degree programs covering 197 fields, 28 authorized advanced master's and specialist degree programs covering 35 fields, two authorized professional degree programs covering nine fields, and 73 authorized doctoral degree programs covering 138 fields. The following outlines the academic divisions:

College of Arts and Sciences

Departments: Aerospace Studies; Anthropology; Biological Science; Chemistry and Biochemistry; Classics; Computer Science; English; Geological Sciences; History; Mathematics; Meteorology; Military Science; Modern Languages and Linguistics; Oceanography; Philosophy; Physics; Psychology; Religion; Statistics.

Interdisciplinary Programs: American and Florida Studies; Asian Studies; British Studies; Chemical Physics; Classics and Religion; Cognitive Science; Computational Science; Critical Theory; English and Business; Foreign Language and Business; Geophysical Fluid Dynamics; History and Philosophy of Science; Humanities; Iberian Studies; Italian Studies; Latin American and Caribbean Studies; Molecular Biophysics; Neuroscience; Program in Chemical Physics; Psychobiology; Neuroscience Research; Russian and East European Studies; Secondary Science and/or Mathematics Teaching; Women's Studies.

College of Business

School: Dedman School of Hospitality.

Departments: Accounting; Finance; Management; Management Information Systems; Marketing; Risk Management/Insurance and Real Estate.

Interdisciplinary Programs: Business Administration and Law; Multinational Business.

College of Communication

Departments: Communication; Communication Disorders.

College of Criminology and Criminal Justice

College of Education

Departments: Childhood Education, Reading, and Disability Services; Educational Leadership and Policy Studies; Educational Psychology and Learning Systems; Middle and Secondary Education; Sport Management, Recreation Management and Physical Education.

FAMU-FSU College of Engineering

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

College of Human Sciences

Departments: Family and Child Sciences; Nutrition, Food, and Exercise Sciences; Textiles and Consumer Sciences.

Interdivisional Programs: Marriage and Family; Independent Living for Persons with Disabilities.

College of Information

College of Law

Interdisciplinary Programs: Law and Business Administration; Law and Economics; Law and Information Studies; Law and International Affairs; Law and Public Administration; Law and Urban and Regional Planning.

College of Medicine

College of Motion Picture, Television, and Recording Arts

College of Music

Interdisciplinary Program: Music Research.

College of Nursing

College of Social Sciences

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; Health Services Administration and Policy; International Affairs; Pepper Institute on Aging and Public Policy; Marriage and Family; Economic Policy and Government; Russian and East European Studies; Program in Social Science; Urban and Regional Planning and Public Administration.

College of Social Work

College of Visual Arts, Theatre and Dance

Departments: Art; Art Education; Art History; Dance; Interior Design; Theatre.

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 State Board of Education's approved institutes and research centers:

Professional Development and Public Service

Center for Intensive English Studies

Center for Professional Development and Public Service (Please refer to Academic & Professional Program Services)

Institute of Science and Public Affairs

Beaches and Shores Resource Center

Center for the Advancement of Human Rights

Center for Advancement of Learning and Assessment (CALA)

Center for Biomedical and Toxicological Research and Hazardous Waste Management

Center for Economic Forecasting and Analysis

Center for Information Management and Educational Services

Center for Prevention and Early Intervention Policy

Florida Conflict Resolution Consortium

Florida Resources and Environmental Analysis Center (FREAC)

Florida State Climate Center

Institute for International Cooperative Environmental Research (IICER)

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 Arts and Sciences

Antarctic Marine Geology Research Facility

Center for Materials Research and Technology (MARTECH)

Center for Ocean-Atmospheric Prediction Studies (COAPS)

Cooperative Institute for Tropical Meteorology

Geophysical Fluid Dynamics Institute (GFDI)

Institute for Cognitive Sciences

Institute for Fishery Resource Ecology (IFRE)

Institute of Molecular Biophysics

Institute on Napoleon and the French Revolution

Institute on World War II and the Human Experience

Middle East Studies Center

Statistical Consulting Center

Terrestrial Waters Institute

Winthrop-King Institute for Contemporary French and Francophone Studies

College of Business

Alternative Transportation

Carl DeSantis Center for Executive Management Education

Center for the Advancement of Procurement

Center for Banking and Financial Institutions

Center for Information Systems Research

Center for Insurance Research

Center for Personnel and Human Resource Management

International Center for Hospitality Research and Development

Jim Moran Institute for Global Entrepreneurship

Marketing Institute

Real Estate Research Center

College of Communication

Center for Hispanic Marketing Communication

Communication Research Center

FSU Project Management Center

L.L. Schendel Speech and Hearing Clinic

College of Criminology and Criminal Justice

Center for Criminology and Public Policy Research

College of Education

Center for Educational Research and Policy Studies

Center for the Study of Technology in Counseling and Career Development

Center for the Study of Values in College Student Development

Melvane Draheim Hardee Center for Women in Higher Education

FAMU-FSU College of Engineering

Center for Intelligent Systems, Control and Robotics (CISCOR)

High Performance Materials Institute

Sustainable Energy Science and Engineering Center (SESEC)

College of Human Sciences

Center for Marriage and Family Therapy

Center for Retail Merchandising and Product Development

Center on Better Health and Life for Underserved Populations

Florida Inter-University Center for Child, Family and Community Studies

Florida State University Family Institute

College of Information

Information Use Management and Policy Institute

Interdisciplinary Center for Leadership, Technology Integration, and Critical Literacies (I-CELTIC)

College of Medicine

Center for Rural Health Research and Policy

Center of Excellence for Patient Safety

Center on Medicine and Public Health

Center on Terrorism and Public Health

College of Music

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

College of Social Sciences

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
 Traumatology Institute
 Trinity Institute for the Addictions

College of Visual Arts, Theatre, and Dance

Maggie Allesee National Center for Choreography

Provost's Office

Center for Expert Performance Research (CEPR)
 Center for International Studies in Educational Research and Development (CISERD)
 Center for National Security Training & Research (CNSTAR)
 Center for Research in School Reform and Leadership (CRSRL)
 Florida Center for Reading Research (FCRR)
 Florida Center for Research in Science, Technology, Engineering and Mathematics (FCR-STEM)
 Institute for Academic Leadership
 Interdisciplinary Center for Leadership, Technology Integration, and Critical Literacies (I-CELTIC)
 International Center for Learning, Education and Performance Systems (ICLEPS)
 Knowledge Communities Research Group (KCRG)
 Learning Systems Institute
 Research of Innovative Technologies for Learning (RITL)

Office of the Vice President for Research

Center for Advanced Power Systems (CAPS)

Office of the Vice President for Student Affairs

Florida Center for Interactive Media (FCIM)

Office of Research

Center for Advanced Power Systems (CAPS)

Other Instructional Units**Reserve Officers Training Corps**

The University includes among its offerings both Air Force and an Army Reserve Officer Training Corps (ROTC) programs; students of 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.

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 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 course work 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 course work 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 Perry-Paige Building on the FAMU campus. For additional information, visit our Web site at <http://www.famu.edu/nrotc>.

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 nrotcrec1@famu.edu.

FSU—Panama

Rector: Carlos R. Langoni

Florida State University's Office of International Programs administers a permanent campus of approximately 400 full-time students in the Republic of Panama. Offering a full program of courses at the lower-division level and selected majors, FSU-Panama offers the associate and the bachelor's degrees. The campus serves US 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, and computer classrooms. The campus is located at the Pacific entrance to 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 US students who seek a one-semester term of overseas studies. For further information, please consult the campus' Web site, <http://www.fsu.edu/panama>, the International Programs office at *A5500 University Center*, call (850) 644-3272, or visit <http://www.international.fsu.edu>.

Academic and Professional Program Services

Director: William H. Lindner; **Associate Director:** Susann Rudasill

In August 2005, two familiar departments, the Office of Distributed & Distance Learning and the Center for Professional Development, joined forces to become **Academic & Professional Program Services (APPS)**. The APPS unit of Florida State University is the continuing education and academic program outreach entity for the campus, the community, and students of all ages everywhere. Housed at the University Center, the experienced faculty and staff of APPS support a variety of learning opportunities as they provide services to colleges, departments, and students on campus and online. APPS can be reached online at <http://apps.fsu.edu>.

The following APPS units help students of all ages in their quest for lifelong learning:

FSU's Blackboard

Blackboard serves as the learning portal for the FSU community. Serving over 40,000 students, <http://campus.fsu.edu> receives over 35,000 unique visitors each school day. Blackboard enables integration and educational innovation at FSU by connecting people to—and through—instructional technology.

The Blackboard 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. The APPS developers work with academic and administrative units to extend the functionality and features of Blackboard in order to enhance the teaching and learning experience.

FSU Online

FSU Online provides personalized attention for off-campus learners by supporting online academic degree programs, applications, tuition and financial aid, and student support. Florida State University offers a wide variety of online undergraduate and graduate degree and certificate programs. Current program areas include Business, Communication Disorders, Computer Science, Criminology, Education, Information Studies, Interdisciplinary Social Sciences, Management Information Systems, Nursing, and Social Work. FSU Online staff members provide personal, ongoing educational support to distance learners across the nation throughout their entire tenure at the University. From the prospective student's initial inquiry about a program to his or her final semester, the APPS Online staff are on hand to guide, advise, and assist.

Students enrolled in online classes at FSU are just a click away from contacting their instructor, class mentor, and other students to ask questions or provide comments. Communication between instructor and students is a central feature of the FSU Blackboard system for all online courses, and, for technical issues, assistance is always available through the FSU help-desk system.

A large university setting can be daunting, but when it comes to issues of admissions, registration, orientation, and academic advising, APPS provides a centralized resource to help students get the proper information so they can concentrate on coursework. For more information, please visit our Web site at <http://online.fsu.edu>; for initial and ongoing program inquiries and tracking, e-mail inquiries@campus.fsu.edu, or call (850) 644-8004 or toll free 1-877-FLSTATE.

The Center for Teaching and Learning (CTL)

CTL assists instructors and faculty members by providing effective instructional strategies and technologies. Since its inception, CTL has delivered 20,000 hours of consultation and instruction to faculty and TAs. The unit responds to an average of 400 digital media requests per year and has supported the development of 346 online and hybrid courses.

CTL resources help instructors and faculty apply teaching techniques, instructional technologies, and proven methodologies that engage students and help them learn both online and in the classroom.

Collegiality is an integral part of academic life and a critical component of the learning process for students. CTL supports faculty and instructors in a wide variety of collaborative opportunities that can inform and strengthen teaching techniques and strategies—from mentoring TAs to individualized consultation.

CTL offers funded workshops throughout the year, including teaching enhancement workshops, an online workshop series, custom workshops, and multi-day funded workshops over the summer. For further information, please visit <http://learningforlife.fsu.edu/ctl/>.

The Center for Assessment and Testing (CAT)

CAT provides measurement, evaluation, and survey services for faculty and instructors. The Center hosts over 30,000 tests each academic year and offers exam scoring and reporting, course evaluations, survey questionnaires, scan form design, national or state standardized tests, computer or Internet-based testing.

CAT can score tests completed on mark-sense format sheets (scan forms), provide a variety of results reports in paper or data transfer, and even provide item analysis for evaluation of the test itself. It also facilitates teaching evaluations for both face-to-face and online courses, and supports research and administrative data collection through the design of scan forms, processing the results, and creation of reports.

The center provides a secure testing environment for national and state standardized testing as well as for online and hybrid FSU courses. It also offers placement tests for the Modern Languages Department and testing for large courses with problem testing venues. Testing is done using Internet-based, computer-based, and paper/pencil based formats. See <http://cat.fsu.edu>.

The Center for Professional Development (CPD)

CPD promotes lifelong learning and personal productivity enhancement. Last year, the Center for Professional Development provided over 4,700 professional certifications for banking, legal, construction, teaching, and technology professionals. The CPD offers the following services:

Professional Development. CPD offers building code training online, the certificate in financial planning online, continuing legal education online, a financial planning online review course, and writing certificate programs.

Technology Training. CPD offers up-to-date technical training for some of the hottest technical professions on the market, such as webmaster certification, desktop certification, desktop publishing, and MCSA. The campus-based and online courses are instructor-led and offer plenty of hands-on experience.

Academic Credit. CPD 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. CPD also coordinates returning student scholarships for students 23 years of age or older.

Personal Enrichment. New life learning experiences are a great source of personal satisfaction to understand the world around us. CPD continues to identify and develop new course offerings to support lifelong learners in their quest for personal enrichment and broader horizons.

For more information on CPD offerings and services, please visit us on the Web at <http://cpd.fsu.edu>.

The FSU Conference Center

The FSU Conference Center is set for reconstruction. Now that the old building has been demolished, a new world-class conference center is planned. The new conference center will be approximately 47,000 square feet, featuring a gothic brick exterior and three floors to house a large auditorium, several breakout rooms, an executive boardroom, computer labs, food preparation facilities, and administrative offices. Also slated for construction adjacent to the conference center site is a new five-story FSU parking garage.

The new FSU Conference Center will employ the latest technology in its conferencing rooms and computer labs. The center will be capable of hosting anything from small meetings to large regional conferences. The Center will retain its name, honoring FSU Provost Gus Turnbull, who died of cancer in 1991.

The Center's meeting planners are currently housed in the FSU University Center. The APPS professional staff, using auxiliary locations available in the region, can still coordinate meetings, conferences and training. See <http://conference.fsu.edu> for more information.

APPS Administrative Services

APPS administration works behind the scenes to support the rest of the organization in the following areas:

Registration. APPS provides on- and off-campus registration for internal and external clients.

Financial Management. APPS manages auxiliary and residual accounts for online and continuing education programs as well as FSU-sponsored conferences and institutes.

Information Systems. The APPS MIS team provides desktop and network support for APPS staff and for conference visitors and presenters. It also builds and continues to maintain the University's Institutional Effectiveness Portal.

Human Resources. The APPS HR representatives process all payroll and appointments for the APPS staff as well as for online mentors, adjunct faculty for FSU departments, distance programs, and special events.

General Administrative Support. The APPS administrative team provides direct oversight and guidance for the daily operations of the organization.

The Florida Center for Public Management

Director: Shawn Baldwin

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, write the *Florida Center for Public Management, Florida State University, HMB 102, Tallahassee, FL 32306-2821*; or call: (850) 644-6460.

Learning Systems Institute

Director: Laura B. Lang

Associate Directors: Tristan Johnson, Rabieh Razzouk, Jonathan Michael Spector

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 \$500 million in externally funded research over its 39-year history, providing 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.

There are several areas of research that serve as the current focus for LSI:

1. Pre-K–20 education research and reform with an emphasis on reading, mathematics, science and leadership;
2. Learning communities research;
3. Learning and performance support systems research and implementation;
4. Multidisciplinary research related to the study of expert performance;
5. International development through improved learning systems;
6. Reading Research; and
7. Education policy studies and research.

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>.

Institute for Cognitive Sciences

Director: Dr. 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 certificate is offered for graduate study in cognitive sciences.

L.L. Schendel Speech and Hearing Clinic

Director: Janice McClung, MS; **Associate Director:** Carla Jackson, PhD

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 and audiology. Specific services include:

- Comprehensive Speech-Language Assessment and Therapy
- Hearing Assessment and 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 writing *L.L. Schendel Speech and Hearing Clinic, 107 Regional Rehabilitation Center, Florida State University, Tallahassee, FL 32306-1200*; calling: (850) 644-2238 (Voice and TDD), or Faxing (850) 644-8994.

Libraries

Florida State University's libraries are the intellectual center of the University, providing students, faculty, and staff with information resources and services that facilitate learning, teaching, and research. Florida State University's libraries include the Robert Manning Strozier Library (the main library), the Paul A.M. Dirac Science Library, the Harold Goldstein Library, the Warren D. Allen Music Library, the College of Law Research Center, and the College of Medicine Maguire Medical Library. Library materials and services also are available at Florida State University's off-campus sites, including the Ringling Museum of Art, the Panama City, FL campus, the Republic of Panama branch campus, and the study centers in London and Florence.

The libraries support the University's educational and research missions through extensive collections and a wide range of services available to the FSU community in person and virtually. The libraries' resources include approximately 3 million books and periodicals; over 800,000 government documents; more than 9,000 films, videos, and DVDs; and over 800,000 microforms. Access to over 300 subscription databases, 274,000 e-books, and more than 29,000 electronic journals covering a wide variety of subjects is available from offices, residence halls, homes, and other remote locations, as well as in the libraries. The online catalog is available on the library's Web site and provides access to all the University's collections. Worldwide information resources are available readily through the Internet. Materials and resources from other libraries are available through interlibrary loan and document delivery.

Library services include reference assistance at the help desk, workshops, and one-on-one appointments. Additionally, research assistance is available via the Internet using IM and email.

Librarians with subject expertise help students and faculty with advanced research endeavors. The libraries also provide instruction in a technologically advanced classroom. An undergraduate library advisory board provides a forum for student opinions and concerns.

The libraries are continually developing new programs and frequently partner with other university departments to enhance services to the campus community. During the academic year, Strozier library is open 24 hours a day from Sunday through Friday. A faculty and graduate student research center will open in Strozier in 2008 and an undergraduate commons soon after that. Visit the library Web site for announcements of new programs and services.

Strozier Library provides equipment and facilities for listening to, viewing, and editing multimedia materials. The libraries provide Internet-accessible computers with word-processing software, printers, and photocopiers for convenient use. Additional computers for research and word-processing are available in a student computer lab located in Strozier Library. Adaptive equipment and software for students with disabilities also are available.

The library is a member of the Association of Research Libraries (ARL), the Center for Research Libraries (CRL), the Research Libraries Group (RLG), and the Association of Southeastern Research Libraries (ASERL).

The **Robert Manning Strozier Library**, the University's main library, is located strategically in the center of the main campus and occupies seven floors. 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. Its special collections department includes rare and unique materials for research and study. The library's Web site is located at <http://www.lib.fsu.edu>

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

The **Warren D. Allen Music Library**, located in the College of Music, contains a collection of recordings, scores, books, and periodicals that support the school's curriculum. The library's Web site is located at <http://music.fsu.edu/library/>.

The **Harold Goldstein Library**, located in the College of Information, contains a collection of professional library science materials and reference materials, as well as juvenile materials and picture books. Visit <http://goldstein.ci.fsu.edu> for more information.

The **Law Library**, operated by the College of Law, has a collection containing more than 500,000 volumes and volume equivalents, and approximately

4,000 subscriptions. Legal research is complemented by an array of electronic databases, including the LexisNexis and WESTLAW legal research databases. Visit <http://www.law.fsu.edu/library/> for more information.

The **College of Medicine Maguire Medical Library** provides access to a number of electronic medical databases and a collection of books and journals. Visit <http://www.med.fsu.edu/library/> for more information.

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. It contains more than 61,000 books, auction catalogs, and other materials supporting art-related research. Special collections contain circus history items including John Ringling's original collection of more than 600 books. The library's Web site is <http://www.ringling.org>.

The **FSU-Panama City (FSU-PC) Academic Resource Center (ARC)** is the on-campus location for access to quality electronic information, research materials, and research help. The ARC is equipped to provide access to the University libraries' electronic resources, databases, library catalogs, and other information. Access to these electronic resources also is available from off campus. The ARC librarian provides research assistance in person, by phone, and by email. ARC services complement existing library services provided by the Gulf Coast Community College (GCCC) Library. Through an arrangement with GCCC, the GCCC Library houses the FSU-PC collection of books and journals. For more information, go to <http://www.pc.fsu.edu/arc>.

The **Republic of Panama Branch Campus Library** offers services and a collection of over 45,000 items to students at the FSU branch campus in Panama City, 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, go to http://www.lib.fsu.edu/fsu_panama/index.html.

Undergraduate Education

Florida State University provides for undergraduate students a strong liberal arts-based 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. Florida State University strives to teach students to think logically, to analyze clearly, and to communicate with precision and power.

Graduate Education (see *Graduate Bulletin* for details)

Emphasis at 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 that allow 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 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 Florida State University to recruit the most talented faculty from leading centers of learning throughout the world. The University faculty has included five Nobel laureates and ten members of the National Academy of Sciences. 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 complete listing appears in the back of 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. 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; 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

Florida State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; [404]-679-4501) to award associate, bachelor's, master's, and doctor's degrees. For departmental/field accreditations, refer to the respective college or school's chapter in this *General Bulletin*.

Carnegie Foundation Classification

In its 1994 report, The Carnegie Foundation ranked Florida State University in the Doctoral/Research Universities—Extensive category, its highest category for a graduate-research university. Florida State University is one of eighty-nine American universities to have earned this designation at that time.

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 2006, Florida State University's faculty generated a record \$190 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.

Special Programs

The **National High Magnetic Field Laboratory**, 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. 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 established an interdisciplinary **School of Computational Science (SCS)** to support graduate education and research, to provide a leading-edge high-performance computational facility, and to contribute a high level computational culture beneficial to the nation and the state.

The computations that enable studies in diverse areas such as predicting the winds in a hurricane or designing nano-composites depend on the invention, implementation, testing, and application of algorithms and software that computers use to solve scientific and engineering problems. This is the work of computational scientists and forms the basis for the missions of the SCS. To accomplish these missions, the SCS brings together diverse faculty from across campus who are able to interact in a synergistic manner so that advances in the computational science of one discipline can influence advances in other disciplines.

The **Center for Materials Research and Technology (MARTECH)** 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 the center is the integration of hard and soft materials for future spintronics and biological applications. The center's rapidly expanding facilities include several thin-film preparation labs, a light-scattering laboratory, facilities for fabricating nanostructured materials, including a clean room, photo- and electron-beam lithography, extensive surface analysis

equipment including XPS, helium-scattering, and scanning probe microscopy and equipment for the study of electrical transport and magnetic as well as superconducting properties of complex materials.

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 45 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. The **Academic Diving Program**, which is part of the laboratory and is located on the main campus, 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 for biologists and archaeologists, and teaches courses and workshops in SCUBA, from basic through instructor, as well as a number of diving specialties including dry-suits, underwater photography, full-face mask and helmet diving, and techniques for underwater search and recovery for public safety divers.

The **Center for Ocean-Atmospheric Prediction Studies**, located at the Don Fuqua Research Complex at Innovation Park, 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. 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. **University Computing Services (UCS)** manages a high speed network that connects computers throughout the University to each other and to the world. UCS 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.

UCS provides accounts for computer and Internet access to all students, faculty, and staff. UCS also operates general purpose computing servers and supercomputers that are available to the entire campus, and provides open-access computer laboratories for students. For more information, see <http://www.ucs.fsu.edu>.

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

The Learning Systems Institute 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 Office of Distributed and Distance Learning.

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.

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 multi-faceted 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 eighty-seven colleges and 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.

INTERNATIONAL EDUCATION

International Commitment

Florida State University recognizes that a great university ideally 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.

Beyond Borders: International Service and Cultural Exchanges

Coordinator: TBD

Beyond Borders is a university-to-university exchange program that provides opportunities for students to engage in intensive, short-term intercultural experiences while performing some community service. Currently, Florida State University has exchanges with the University of Costa Rica, Atlantic Branch (Turrialba, Costa Rica); the University of the West Indies, Mona Campus (Kingston, Jamaica); and the Technical University in Dresden, Germany. Participants live with local families or in university facilities and serve as volunteers in projects organized by the host institutions. All Florida State University students are eligible to apply; groups are limited to 10-12 students. Visit www.ic.fsu.edu/beyondborders/info.cfm for more information or email bb@admin.fsu.edu.

107 South Wildwood, Tallahassee, FL 32306-4240; (850) 644-1702; Web site: <http://www.fsu.edu/~fsu-isc>.

International Programs

Director: James E. Pitts;

Associate Director: Michele E. Ceci;

Assistant Directors: Mary A. Balthrop, Louisa E. Blenman, Joan W. Cassels

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 their 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.

All of these Study Centers offer a broad curriculum, which includes courses that particularly lend themselves to the international location. In Florence, the courses focus on the areas of art history, classics, English writing, 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 also serves as a base of operations for a number of curriculum-focused programs. Students may pursue study on specific topics such as British television, English literature, communications, international affairs, choral and instrumental music education, global sport management, 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. 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. International Programs also has an extensive internship program with internships in a variety of disciplines offered in London, Valencia, and Panama.

In addition to the Study Centers, International Programs offers programs in many other locations. These sites vary from year to year, but currently include programs planned in Australia, China, Costa Rica, Croatia, Czech Republic, Ecuador, France, Hungary, Ireland, The Netherlands, Russia, Scotland, South Africa, and Switzerland. These locations host a variety of study abroad opportunities ranging from broad curriculum offerings to faculty-led programs focusing on a particular area or major. Additionally, the First Year Abroad program, created especially for high-achieving, global-thinking students, allows students to complete the first twelve months of their FSU career studying abroad with International Programs. Students can choose to spend their first year at any of the four study centers. 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. Finally, the College for High School program offers a unique international academic opportunity for outstanding high school students. These students apply for the program in the fall, participate in university-level coursework in the spring semester using Blackboard, and then travel to a host location with faculty and advisers in the summer. 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; (800) 374-8581, intprog1@admin.fsu.edu.*

Florida-Costa Rica Institute

Co-Director: Joan W. Cassels

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 11 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 11 state universities and 28 community colleges.

Florida–France Institute

Co-Director: Joan W. Cassels

Florida State University, the University of South Florida, 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 11 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, 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 11 universities and 28 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

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. 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.

Center for Intensive English Studies

Program Director: Patrick Kennell

The **Center for Intensive English Studies** 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. 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.

International Center

Please see the "Student Services" chapter of this *Graduate Bulletin* for information pertaining to the International Center.

ACADEMIC DEGREE AND CERTIFICATE PROGRAMS

Florida State University offers degree programs through the following colleges. Consult the college for currently active programs.

B—Bachelor’s Degree **M**—Master’s Degree **A**—Advanced Master’s
S—Specialist **D**—Doctoral Degree **P**—Professional

College of Arts and Sciences

Regular Degree Programs

Actuarial Science	B		
American and Florida Studies	B	M	
Anthropology	B	M	D
Aquatic Environmental Science		M	
Biochemistry	B		
Biological Sciences	B	M	D
Biomedical Mathematics	B	M	D
Biostatistics		M	D
Chemical Physics		M	D
Chemical Science	B		
Chemistry	B	M	D
Classics	B	M	D
Greek	B	M	
Latin	B	M	
Computational Biology	B		
Computational Science		M	D
Computer Science	B	M	D
Creative Writing		M	
English	B	M	D
Geology	B	M	D
Geographic Information Sciences		M	
Geophysical Fluid Dynamics			D
History	B	M	D
History and Philosophy of Science		M	
Humanities	B	M	D
Latin American and Caribbean Studies	B		
Mathematics	B	M	D
Meteorology	B	M	D
Middle Eastern Studies	B		
Modern Language: East Asian Languages and Culture	B		
French	B	M	D
French and Francophone Studies	B	M	
German	B	M	
Italian	B		
Italian Studies		M	
Russian	B		
Slavic		M	
Spanish	B	M	D
Molecular Biophysics			D
Neuroscience			D
Oceanography		M	D
Philosophy	B	M	D
Physics	B	M	D
Physics, Interdisciplinary	B		
Psychology	B	M	D
Religion	B	M	D
Science Teaching		M	
Secondary Science and/or Mathematics Teaching	B	M	

Statistics B M D

Combined Degree Programs

Communication	BS/MS
Computational Physics	BS/MS
Computer Science	BS/MS
History	BA/MA
Humanities	BA/MA
Mathematics	BS/MS
Philosophy	BA/MA
Science Teaching	BS/MS
Statistics	BS/MS

Certificate Programs

- Certificate in Elementary School Science
- Certificate in Marine Biology and Living Resource Ecology
- Certificate in Performance Management (Psychology)
- Graduate Certificate in American and Florida Studies
- Graduate Certificate in Archival Studies (History)
- Graduate Certificate in Cognitive Science (Psychology)
- Graduate Certificate in Critical Theory (English)
- Graduate Certificate in Editing and Publishing (English)
- Graduate Certificate in Information Systems Security Professionals
- Graduate Certificate in Interdisciplinary Humanities
- Graduate Certificate in Latin American and Caribbean Studies
- Graduate Certificate in Museum Studies: Anthropology
- Graduate Certificate in Museum Studies: Classics
- Graduate Certificate in Museum Studies: History
- Graduate Certificate in Museum Studies: Humanities
- Graduate Certificate in Oceanography
- Interdepartmental Certificate in Developmental Disabilities⁴

Undergraduate Studies, Division of

Certificate Program

Associate in Arts Certificate

College of Business

Regular Degree Programs

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

College of Communication

Regular Degree Programs

Communication Sciences and Disorders	B	M/A	D
Communication	B	M	D

Certificate Programs

Interdepartmental Certificate in Developmental Disabilities⁴
 Graduate Certificate in Digital Video Production
 Graduate Certificate in Hispanic Marketing Communication
 Graduate Certificate in Project Management

College of Criminology and Criminal Justice

Regular Degree Programs

Criminology	B	M	D
Computer Criminology	B		
Criminology/Public Administration		M ²	
Criminology/Social Work		M ²	
Combined Bachelor's to Master's Program		B/M	

Combined Degree Program

Criminology and Criminal Justice	BS/MS
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Certificate Programs

Certificate in Corrections
 Certificate in Law Enforcement
 Certificate in Security Administration
 Certificate in Underwater Crime Scene Investigation, Undergraduate/Graduate

College of Education

Regular Degree Programs

Counseling and Human Systems	M/S		
Counseling Psychology and Human Systems			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
Emotional Disturbances/Learning Disabilities	B	M/S	
English Education	B	M/S	D
Foundations of Education		M/S	D
Higher Education		M/S	D
Instructional Systems		M/S	D
Mathematics Education	B	M/S	D
Measurement and Statistics		M/S	D
Mental Disabilities	B	M/S	
Physical Education	B	M/S	D
Reading Education		M/S	D
Recreation and Leisure Services Administration	B	M	
Rehabilitation Counseling	B	M/S	D
Research and Evaluation Methods		M/S	D
Science Education	B	M/S	D
Social Sciences Education	B	M/S	D
Special Education		S	D
Visual Disabilities	B	M	

Combined Degree Program

Emotional Disturbances/Learning Disabilities	BS/MS
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Certificate Programs

Interdepartmental Certificate in Developmental Disabilities⁴
 Certificate in Special Event Management, Undergraduate/Graduate
 Certificate in Teaching English to Speakers of Other Languages, Undergraduate/Graduate
 Graduate Certificate in College Teaching
 Graduate Certificate in Early Childhood and Family Intervention
 Graduate Certificate in Early Childhood/Special Education
 Graduate Certificate in Educational Measurement and Statistics
 Graduate Certificate in Educational Policy
 Graduate Certificate in Educational Technology
 Graduate Certificate in Event Management
 Graduate Certificate in Human Performance Technology
 Graduate Certificate in Human Resource Development
 Graduate Certificate in Institutional Research
 Graduate Certificate in Methods and Policy of Educational Accountability
 Graduate Certificate in Museum Studies: Recreation and Leisure Services Administration
 Graduate Certificate in Online Instructional Development
 Graduate Certificate in Program Evaluation
 Undergraduate Certificate in Leadership Studies
 Undergraduate Coaching Specialization

FAMU-FSU College of Engineering

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
Mechanical Engineering	B	M	D

Combined Degree Program

Mechanical Engineering	BS/MS
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Certificate Program

Graduate Certificate in Water and Environmental Resources Engineering

College of Human Sciences

Regular Degree Programs

Athletic Training	B		
Clothing, Textiles and Merchandising	B	M	
Exercise Science	B	M/S	D
Family and Child Sciences	B	M	
Family and Consumer Sciences Education	B	M	
Note: Temporarily Suspended at M			
Food and Nutrition	B	M	
Human Sciences	B		D
Marriage and Family Therapy			D

Combined Degree Program

Movement Science w/ Specialization in Athletic Training	BS/MS
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Certificate Programs

Graduate Certificate in Advocacy for Children and Families
 Graduate Certificate in Aging Studies, Undergraduate/Graduate 3
 Graduate Certificate in Apparel Design
 Graduate Certificate in Food Safety, Quality, and Promotion
 Graduate Certificate in Museum Studies: Textiles and Consumer Sciences
 Graduate Certificate in Retail Merchandising

College of Information**Regular Degree Programs**

Information Technology	B	
Library and Information Studies	M/S	D

Certificate Programs

Graduate Certificate in Library Leadership and Management
 Graduate Certificate in Museum Studies: Information Studies
 Graduate Certificate in Reference Services
 Graduate Certificate in School Library Media Leadership
 Graduate Certificate in Web Design
 Graduate Certificate in Youth Services

College of Law**Regular Degree Programs**

American Law for Foreign Lawyers	M	
Law		P

Certificate Programs

Certificate in Environmental, Natural Resources, and Land Use Law
 Certificate in International Law

College of Medicine**Regular Degree Programs**

Biomedical Sciences	D	
Medicine		P

College of Motion Picture, Television, and Recording Arts**Regular Degree Program**

Motion Picture, Television and Recording Arts	B	M
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College of Music**Regular Degree Programs**

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

Certificate Programs

Certificate in Sacred Music, Undergraduate/Graduate Vocal or Instrumental
 Certificate in Early Music, Undergraduate/ Graduate
 Certificate in Piano Pedagogy, Undergraduate/Graduate
 Certificate in Special Music Education, Undergraduate/Graduate
 Certificate in World Music, Undergraduate/Graduate
 Music Therapy Equivalency, Undergraduate/Graduate
 Graduate Certificate in Arts Administration
 Graduate Certificate in College Teaching
 Graduate Certificate in Music Education and Leadership
 Graduate Certificate in Pedagogy of Music Theory
 Undergraduate Certificate in Jazz Studies
 Undergraduate Certificate in Performance
 Undergraduate/Graduate Certificate in Music of the Americas

College of Nursing**Regular Degree Program**

Nursing	B	M
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Combined Degree Program

Nursing	BS/MSN
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Certificate Program

Graduate Certificate in Nursing

College of Social Sciences**Regular Degree Programs**

African-American Studies	B	
Asian Studies	B	M
Demography		M
Economics	B	M D
Geographic Information Sciences		M
Geography	B	M D
International Affairs	B	M
Political Science	B	M D
Public Administration		M D
Public Administration/Criminology		M ²
Public Administration/ Law		M ²
Public Administration/Urban and Regional Planning		M ²
Public Administration/ Social Work		M ²
Public Health		M
Russian and East European Studies	B	M
Social Science	B	
Sociology	B	M D
Urban and Regional Planning		M D
Urban and Regional Planning/International Affairs		M ²

Certificate Programs

Certificate in African-American Studies
 Certificate in Aging Studies, Undergraduate/Graduate³
 Certificate in Demography
 Certificate in Emergency Management, Undergraduate/Graduate
 Certificate in Political Economy
 Certificate in Public Administration, Undergraduate/Graduate
 Certificate in Urban and Regional Planning
 Graduate Certificate in Dispute Resolution
 Graduate Certificate in Health Services Administration and Policy
 Graduate Certificate in Human Resource Management
 Graduate Certificate in Public Financial Management
 Graduate Certificate in Real Estate Development
 Graduate Certificate in Urban Design

College of Social Work**Regular Degree Programs**

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

Certificate Programs

Certificate in Aging Studies, Undergraduate/Graduate³
 Certificate in Arts and Community Practice, Undergraduate/Graduate
 Certificate in Child Welfare Practice, Undergraduate/Graduate
 Certificate in Leadership in Executive and Administrative Development in Social Work
 Graduate Certificate in Family Social Work Practice
 Graduate Certificate in Social Work in Disaster Recovery

College of Visual Arts, Theatre, and Dance

Regular Degree Programs

American Dance Studies				M
Art Education	B	M/S		D
Art Therapy				M
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

Certificate Programs

Certificate in Arts and Community Practice: Art Education, Undergraduate/Graduate
 Certificate in Arts and Community Practice: Dance, Undergraduate/Graduate
 Graduate Certificate in Leadership in Art Museum Education
 Graduate Certificate in Museum Studies: Art
 Graduate Certificate in Museum Studies: Art Education
 Graduate Certificate in Museum Studies: Art History
 Graduate Certificate in Museum Studies: Dance
 Graduate Certificate in Museum Studies: Interior Design
 Graduate Certificate in Museum Studies: Theatre
 Graduate Certificate in Theatre Administration and Management

Interdisciplinary Programs

Regular Degree Programs

American and Florida Studies	B			M
Asian Studies	B			M
Humanities	B	M		D
International Affairs	B			M
Latin American and Caribbean Studies	B			
Marriage and the Family				D
Physics Interdisciplinary Program	B			
Public Health				M
Russian and East European Studies	B			M
Social Science	B			

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

² Denotes dual degree program

³ Offered jointly by the College of Human Sciences, the College of Social Sciences, and the College of Social Work.

⁴ Offered jointly by the College of Arts and Sciences, the College of Communication, and the College of Education

ADMISSIONS

Director of Admissions: Janice Finney

Associate Director: Hege Ferguson

Assistant Directors: Melanie Booker, Donna Bostwick, Lori Hamilton, Amelia Mann, Leah Paul, Wendy Weldon

General Information

Florida State University encourages applications for admission from qualified students regardless of gender, culture, race, religion, ethnic background, national origin, age, or disability. Admission of students to Florida State University is within the jurisdiction of the University, but subject to minimum standards adopted by the State Board of Education within the State of Florida, Division of Colleges and Universities. The admission requirements stated below are minimum requirements. Admission shall be on a competitive basis within curricular, spatial, and fiscal limitations, and satisfaction of minimum requirements does not guarantee admission to Florida State University.

An application for admission may be obtained online at <http://admissions.fsu.edu>.

An application should not be submitted earlier than one year prior to the term for which admission is desired. The Office of Admissions reserves the right to return all applications received after the published deadline for a particular term or after any enrollment limit or program limit is reached.

The Office of Admissions will mail decisions regarding admission or denial on a scheduled notification system for beginning freshmen and a modified rolling basis for transfers. Admission is for a **specific** term. If the student is unable to enroll for the term indicated in the letter of admission, the Office of Admissions should be informed immediately. An applicant should not assume that admission is automatically deferred to a future term.

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 conditions of admission stipulated in the official acceptance letter can result in the offer of admission being rescinded. Failure to submit such documents before enrollment could result in the cancellation of admission and registration.

Undergraduate applicants who are denied admission to the University may appeal the admission decision to the University Admissions Committee if they feel that because of some extenuating circumstance or unrevealed information the admission decision 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 submit information regarding their immunizations and health history, and they must provide proof of adequate health insurance coverage. For information regarding these requirements, refer to “New Students—Health Requirements” at <http://www.tshc.fsu.edu>. Florida State University reserves the right to cancel the admission of any applicant whose health record indicates the existence of a condition that may be harmful to members of the University community.

Admission from Secondary School

Any applicant who desires admission as a beginning freshman student after graduating from high school 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 fee payable to Florida State University should be submitted as soon as possible at the beginning of the senior year, preferably in September, October, or November. Although it is the policy of the University not to defer or waive the application fee, this fee might be waived for applicants who can document that they have received 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 work from the beginning of the 9th grade through whatever portion of the 12th grade has been completed at the time of application is required.

College Transcripts. Students who have registered for any course work at a community college, four-year college, or university through dual enrollment or special student status must submit an official transcript from that post-secondary institution.

Test Scores. Results from the ACT or SAT are required of all applicants for freshman admission. 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.

Note: Applicants planning to take only the ACT should also sit for the ACT Writing Test.

Auditions. Auditions are required of all applicants wishing to major in music, dance, or the bachelor of fine arts (BFA) degree program in theatre. In addition to submitting the application for admission and other supporting information, prospective students should contact the College of Music or the College of Visual Arts, Theatre, and Dance for details.

Departmental Application. A departmental application is required of all applicants wishing to major in motion picture, television, and recording arts or the Bachelor of Arts (BA) degree program in theatre. In addition to submitting the application for admission and other supporting information, prospective students should contact the College of Motion Picture, Television, and Recording Arts or the College of Visual Arts, Theatre, and Dance for details.

Deadlines for Applications and Supporting Documents for Secondary School Applicants

Summer semester	January 28
Fall semester	January 28

The University accepts freshman applications for the summer and fall terms only.

The University reserves the right to close freshman admissions earlier, and/or to increase requirements, if warranted by enrollment limitations and the number and quality of applications.

International students should refer to the “International Student Admission” section of this chapter.

Admission Requirements

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 (4) units of English (at least three [3] with substantial writing requirements); three (3) units of mathematics (algebra I level and higher); three (3) units of natural science (at least two [2] with laboratory); three (3) units of social science (includes history, civics, political science, economics, sociology, psychology, and geography); two (2) sequential units of the same foreign language; and three (3) 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 minimum.

Note: Beginning in 2011, a freshman applicant to one of the Florida public universities must successfully complete four (4) academic units in mathematics, all of which must be at the Algebra I level and higher.

Academic Qualifications

Most Florida students accepted to the University present at least a 3.5 (A-/B+) average in all academic subjects (grades 9 through 12) and test scores of at least 24 (composite) on the ACT or 1100 (critical reading and mathematics sections) on the SAT. Non-Florida applicants will be held to higher standards. In addition to academic grade point average and test scores, a variety of additional factors are considered. These include a written essay, the pattern and quality of courses and curriculum, grade trends, class rank, and educational objectives. Applicants who bring to the University community other important attributes may also receive additional consideration. These applicants include visual and performing artists and skilled athletes.

Note: Beginning Summer Term 2009, Florida public universities will use all three (3) sections of the SAT (critical reading, mathematics, and writing) in the admission process. It is anticipated that most Florida students accepted to Florida State University will present a score of at least 1620 on the SAT. Non-Florida applicants will be held to higher standards.

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 have been disadvantaged due to economic, educational, or cultural circumstances. 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. The majority of applicants selected to participate will be first generation college students from financially disadvantaged backgrounds. 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 application available at <http://www.care.fsu.edu>, a short essay of no more than 500 words describing the student's educational goals, and two (2) letters of recommendation (one from a high school guidance counselor). The minimum requirements for consideration include a "C+" grade point average and either an ACT composite score of 19 or SAT total score (critical reading and mathematics) of 900.

Note: Beginning Summer Term 2009, Florida public universities will use all three (3) sections of the SAT (critical reading, mathematics, and writing) in the admission process. CARE applicants should present a minimum score of at least 1330 on the SAT.

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 as early as possible.

Early Admission

Florida State University provides an opportunity to outstanding high school students 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 3.5 or better weighted high school grade point average in the academic subjects; 3) a minimum composite score of 27 on the ACT¹ or 1220 on the critical reading and mathematics sections of the SAT²; 4) sufficient strength in the academic units as evidenced by the high school transcript; 5) evidence of a lack of curricular opportunity in the existing high school setting; and 6) three (3) letters of recommendation, one of which must be from the high school principal or a representative of the principal.

Note: ¹Applicants planning to take only the ACT should also sit for the ACT Writing Test. ²Beginning Summer Term 2009, Florida public universities will use all three (3) sections of the SAT (critical reading, mathematics, and writing) in the admission process. Early admission applicants should present a minimum score of at least 1800 on the SAT.

Freshman Admission Deposit

All freshman applicants who are admitted to the University are required to submit a \$200.00 nonrefundable admission deposit to ensure a place in the freshman class. Upon enrollment, the deposit will apply toward the student's tuition.

Admission by Transfer

Applicants desiring admission by transfer from other colleges or universities must provide the Office of Admissions with the following:

Application for Admission. The completed application for admission and a nonrefundable \$30 fee payable to Florida State University should be submitted from six (6) to nine (9) months prior to the term for which admission is desired. It is the policy of the University not to defer or waive the application fee.

College Transcripts. Official transcripts from each college and university attended must be submitted 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" or transcripts submitted by the applicant are not considered official.

Secondary School Record. An official high school transcript is required of all transfer applicants who have less than sixty (60) semester hours of transferable credit (as evaluated by the Office of Admissions). The transcript must reflect work completed from the beginning of the ninth grade through the twelfth grade and the date of graduation.

Test Scores. Results from the ACT or SAT are required of all transfer applicants who have less than sixty (60) semester hours of transferable credit (as evaluated by the Office of Admissions) or who require exemption from the Florida College Level Academic Skills Test (CLAST). Arrangements should be made for test results to be forwarded directly to the Office of Admissions.

Verification of Foreign Language. Two (2) sequential units of the same foreign language in high school or at least eight (8) semester hours of the same foreign language at the college level (or documented equivalent level of proficiency) are required of all transfer applicants.

Florida College Level Academic Skills Test (CLAST). Passing results on each section of the Florida CLAST, or an approved alternative, are required of all transfer applicants. Refer to the "Undergraduate Degree Requirements" chapter of this *General Bulletin* for more details.

College and/or Major Requirements. All majors have individual milestones (prerequisites and/or specific grade point averages) that must be met prior to transfer. In addition, some majors require auditions, departmental applications, portfolios, or other information for consideration. Please refer to the "Academic Programs" section of this *General Bulletin* or <http://www.academic-guide.fsu.edu> for more details.

Deadlines for Applications and Supporting Documents for Transfer Students

Spring semester	November 1
Summer semester	March 1
Fall semester	July 1

The University reserves the right to close transfer admissions earlier, and/or to increase requirements, if warranted by enrollment limitations and the number and quality of the applications.

International students should refer to the "International Student Admission" section of this chapter.

General Admission Requirements

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 (including foreign language verification) have been received by the deadline and they meet the requirements for admission to their college/major.

Applicants With Sixty (60) or More Semester Hours of Transferable Credit (As Evaluated by the Office of Admissions) Must:

1. Have at least a 3.0 (on a 4.0 scale) grade point average (GPA) on all college work attempted;
2. Have at least a 3.0 (on a 4.0 scale) GPA on all college work attempted at the last institution attended, if more than one institution is attended;
3. Have met the foreign language admission requirement;
4. Have satisfactorily completed the Florida CLAST or an approved alternative to the CLAST; and
5. Have met the requirements for admission to their college/major.

Applicants With Less Than Sixty (60) Semester Hours of Transferable Credit (As Evaluated by the Office of Admissions) Must:

1. Meet Florida State University's freshman criteria for high school academic GPA, academic units, and test scores (refer to the "Freshman Admission Requirements" section of this chapter);
2. Have at least a 3.0 (on a 4.0 scale) GPA on all college work attempted;
3. Have at least a 3.0 (on a 4.0 scale) GPA on all college work attempted at the last institution attended, if more than one institution is attended;
4. Have satisfactorily completed the Florida CLAST or an approved alternative to the CLAST; and
5. Have met the requirements for admission to their college/major.

Teacher Education 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, 108 Stone

Building. Note that **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.**

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) grade point average (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 Florida CLAST (exemptions not acceptable) or pass 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 (3) education core courses of EDF 1005, EDG 2701, and EME 2040; and, b) up to fifteen (15) semester hours of general program prerequisites specified by each degree program (see degree program sections for specific prerequisites).

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 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 where 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 community/junior colleges, AA degree transfers from other state universities in Florida, 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
Bachelor of Fine Arts in Studio Art
Business Administration
Communication
Communication Sciences and Disorders
Computer Science
Dance
Early Childhood Education
Economics
Elementary Education
Emotional Disturbances/Learning Disabilities
Finance
Graphic Design
Hospitality Administration
Interior Design
Management
Management Information Systems
Marketing

Mental Disabilities
Motion Picture, Television, and Recording Arts
Multinational Business
Music Education
Music History and Literature
Music, Liberal Arts
Music Performance
Music Theory and Composition
Music Therapy
Nursing
Psychology
Real Estate
Recreation and Leisure Services Administration
Risk Management/Insurance
Theatre
Visual Disabilities

Transfer Scholarships

Associate in Arts (AA) degree recipients from Florida public community/junior colleges who enroll directly at the University and who display high academic achievement are awarded academic scholarships on a competitive basis by Florida State University. Applicants with cumulative grade point averages of at least 3.8 will be automatically considered.

International Student Admission

Applicants to Florida State University are considered international if they are not U.S. citizens, dual citizens, or Permanent Resident Aliens.

International applicants must provide the Office of Admissions with the following:

Application for Admission. The completed Application for Admission and a nonrefundable \$30.00 fee in U.S. currency must be submitted. If paying by check or money order, either must be drawn on a U.S. bank and made payable to Florida State University. The application will not be processed without the application fee and under no circumstances will the University waive or postpone this fee.

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.

Test Scores. Results from the ACT or SAT are required of all freshman applicants and all transfer applicants who have less than sixty (60) semester hours of transferable credit (as determined by the Office of Admissions after a course-by-course evaluation has been submitted), or who require exemption from the Florida College Level Academic Skills Test (CLAST). Arrangements should be made for test results to be forwarded directly to the Office of Admissions from the American College Testing Program or College Board.

Note: Applicants planning to take only the ACT should also sit for the ACT Writing Test.

English Proficiency Test. If an applicant’s native language is not English, the applicant must take the Test of English as a Foreign Language (TOEFL). A minimum score of 550 on the paper-based test or 80 on the Internet-based test is required. TOEFL scores are considered official only when they are sent directly to the Office of Admissions from the Educational Testing Service (ETS).

Verification of Foreign Language. Two (2) sequential units of the same foreign language in high school or at least eight (8) semester hours of the same foreign language at the college level (or documented equivalent level of proficiency) are required of all transfer applicants whose native language is English.

Florida College Level Academic Skills Test (CLAST). Refer to the “Admission by Transfer” section of this chapter.

College and/or Major Requirements. All majors have individual milestones (prerequisites and/or specific grade point averages) that must be met prior to transfer. In addition, some majors require auditions, departmental applications, portfolios, or other information for consideration. Please refer to the “Academic Programs” section of this *General Bulletin* or <http://www.academic-guide.fsu.edu> for more details.

Transfer 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 (<http://www.naces.org>) or the International Education Credential Services provided by the American Association of Collegiate Registrars and Admissions Officers (<http://www.aacrao.org>).

Certification of Finances. Certification of finances 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 support funds for the entire period of enrollment. The Certification of Financial Responsibility (CFR) form must be completed, signed by the applicant and/or sponsor, and submitted, along with verification of funding from the applicant's or sponsor's bank or financial institution, to the Florida State University International Center. The applicant must show proof of financial support for the first year of study and demonstrate availability of funds for the length of the academic program. More information on the CFR is available at <http://www.ic.fsu.edu>.

Deadlines for Applications and Supporting Documents for International Students

Freshmen (first-time-in-college and undergraduate transfer applicants with less than twelve [12] semester hours of transferable credit as determined by the Office of Admissions after a course-by-course evaluation has been submitted):

Summer semester	January 28
Fall semester	January 28

Transfers (applicants with twelve [12] or more semester hours of transferable credit as determined by the Office of Admissions after an evaluation has been submitted):

Spring semester	November 1
Summer semester	March 1
Fall semester	July 1

The University accepts freshman applications for the summer and fall terms only.

The University reserves the right to close freshman and transfer admissions earlier, and/or to increase admission requirements, if warranted by enrollment limitations and the number and quality of applications.

Admission Requirements

Freshmen

Admission to Florida State University requires graduation from a recognized secondary program with certain academic units, a successful performance average in those academic units, and appropriate ACT or SAT scores. Four (4) units of English, three (3) units of mathematics (algebra I level and higher), three (3) units of natural science (at least two [2] with a laboratory), three (3) units of social science, two (2) sequential units of the same foreign (non-English) language, and three (3) units of electives (preferably in above areas) are required. A unit is the equivalent of a yearlong subject that is not remedial in nature. Applicants from non-English speaking countries must also present a minimum TOEFL score of 550 on the paper-based test or 80 on the Internet-based test. Academic qualifications for freshmen are described above in 'Academic Qualifications' in the 'Admission Requirements' section.

Note: Beginning in 2011, a freshman applicant to one of the Florida public universities must successfully complete four (4) academic units in mathematics, all of which must be at the Algebra I level and higher.

Transfers

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 (including verification of foreign language competency) have been received by the deadline, and they meet the requirements for admission to their college/major.

Transfers With Sixty (60) or More Semester Hours of Transferable Credit Must:

1. Have at least a "B" average (3.0 GPA on a 4.0 scale) on all college work attempted;
2. Have at least a "B" average (3.0 GPA on a 4.0 scale) on all college work attempted at the last institution attended, if more than one institution is attended;

3. Submit an official course-by-course evaluation of all academic records from each non-U.S. college and/or university attended(ing);
4. Have met the foreign language admission requirement if the applicant is from a country where the official language is English;
5. Submit required TOEFL score if the applicant is from a country where English is not the official language;
6. Have satisfactorily completed the Florida CLAST or an approved alternative to the CLAST; and
7. Have met the requirements for admission to their college/major.

Transfers With Less Than Sixty (60) Semester Hours of Transferable Credit Must:

1. Meet Florida State University's minimum freshman admission requirements of secondary school academic performance (academic courses only), academic units, and test scores;
2. Have at least a "B" average (3.0 GPA on a 4.0 scale) on all college work attempted;
3. Have at least a "B" average (3.0 GPA on a 4.0 scale) on all college work attempted at the last institution attended, if more than one institution is attended;
4. Submit an official course-by-course evaluation of all academic records from each Non-U.S. College and/or university attended(ing);
5. Submit required TOEFL score if the applicant is from a country where English is not the official language;
6. Have satisfactorily completed the Florida CLAST or an approved alternative to the CLAST; and
7. Have met the requirements for admission to their college/major.

Notice of Admission

Formal notification of admission to Florida State University comes from the Office of Admissions and is for a **specific** term. The International Center will issue 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 in the notice of admission, 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 in writing. The student also must notify the International Center of any changes by email at IC-NewStudents@fsu.edu or by faxing a letter to (850) 645-2112.

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. When applicants leave their country, they must have enough money to pay for traveling expenses to the University, fees for the entire term, living expenses until more money arrives, and the return fare to their home country. Students must be sure that they will have sufficient financial resources to cover all costs during their stay at the University. 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. Each year, many students find themselves in serious financial difficulties because they did not arrange for adequate support. **Before making firm plans to come to the United States, international applicants should read the following sections carefully.**

The costs given are estimated minimums and are subject to change. 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 following estimates are based on one academic year (two semesters—fall and spring) and are for unmarried students with no dependents. Additional funds must be included for spouse and/or family (\$5,000 for spouse and \$3,000 for each child per year). Only a spouse and children may be classified as dependents. Biographical data must be provided for each family member accompanying

the student to the United States. The data should include complete name, date of birth, gender, city of birth, country of birth, country of citizenship, country of permanent residence, and relationship to the student (wife/husband, son, or daughter).

Annual Estimate of Costs for Undergraduate International Students

The annual estimated costs listed below are for the 2007–2008 academic year. Costs for the 2008–2009 academic year were not available at date of publication.

Tuition/Fees ¹	\$16,603.00
Books and Supplies	1,000.00
Room and Board ²	7,466.00
Health Insurance	1,400.00
Total	\$26,469.00

¹ The tuition and fee estimate is based on fifteen (15) credit hours for an undergraduate international student attending two (2) terms per year, and represents the tuition increase that went into effect Spring Semester, 2008. (International students must register for a minimum of twelve hours each term.) It is estimated that an additional \$6,641 will be necessary for tuition and fees if the student will be attending summer school. Contact the Office of Admissions or refer to <http://admissions.fsu.edu/intl> for the approved 2008–2009 fees.

² Average academic-year cost for an on-campus residence hall (does not include Alumni Village) and one of the most popular meal plans. An estimated additional \$2,489 is needed for summer room and board. Contact the Housing Office or refer to <http://www.housing.fsu.edu> for the approved 2008–2009 rental costs. Contact Seminole Dining or refer to <http://www.seminoledining.com> for the 2008–2009 actual costs.

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 United States school 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.

Before applying for a visa, all new F-1 and J-1 applicants must pay a Student and Exchange Visitor Information System (SEVIS) fee of \$100.00. Instructions and online payment are available at <https://www.fmjfee.com/i901fee/>. Detailed information is also available on the Immigration and Customs Enforcement (ICE) Web site at <http://www.ice.gov/sevis/index.htm>, or the International Center Web site at <http://www.ic.fsu.edu>.

Federal policy requires that all applicants for U.S. visas have a personal interview with a consular officer and that certain categories of applicants undergo a security clearance. More information on travel to the U.S. can be found in the International Center Pre-Arrival brochure, which is mailed with the acceptance letter and I-20 or DS-2019. The brochure is also available on the International Center Web site.

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 is available. Undergraduate students holding F-1 or J-1 visas are required to carry at least twelve (12) semester hours each semester.

Health Insurance Requirement

The University's Thagard Student Health Center provides basic 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 health insurance, contact the Thagard Student Health Center, (850) 644-4250, <http://www.tshc.fsu.edu>.

International applicants are **required** to complete and submit a health history form that describes previous illnesses and/or surgery. If students have ever had tuberculosis (or scars appearing on chest Xrays) or other serious infectious

diseases, they must have a thorough medical examination made before coming to the University and must bring the reports to campus. International applicants must be immunized and 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.

Intensive English Program

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 Center for Intensive English Studies. Detailed information on the Center may be obtained at <http://www.cies.fsu.edu>.

Admission to the Center for Intensive English Studies does not in any way imply that admission to Florida State University will be granted.

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 Panama City Campus

Transfer students who have sixty (60) or more semester hours of transferable credit and are interested in attending the Panama City campus may request an application from the following: *Office of Admissions, 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 the Tallahassee campus apply to the Panama City campus.

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 earned a bachelor's degree from the University and wish to pursue a second bachelor's degree; or 5) have had their last term of enrollment at the University administratively cancelled and have been absent for two or more consecutive terms (including summer), must submit an application for readmission to the readmissions section of the Office of Admissions. Readmitted students are subject to retention requirements in effect at the time of reentrance. In addition, students claiming Florida residency must reestablish their eligibility for this classification when applying for readmission.

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 readmissions section of 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" 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 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 at least two months prior to the beginning of the term for which readmission is desired. (Consult the "University Calendar" chapter of this *General Bulletin* for specific deadlines.)

Readmission after Multiple Withdrawals

When a student has withdrawn from the University three (3) or more times, subsequent readmission will 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 make a recommendation to the dean of the student's college who will make the final decision.

Special (Non-Degree Seeking) Student Regulations

A special student is a classification assigned to a non-degree-seeking student for registration privileges. Admission as a special student is subject to approval and may be open to high school graduates and post-baccalaureate students provided the student has at least a 2.0 grade point average (GPA) from the last institution attended and at least a 2.0 GPA on all course work taken at this institution. Applicants who have been denied admission as a degree-seeking student or who missed the deadline for submitting a degree-seeking application will not be considered for admission as a special student. Students intending to register for graduate course work under the special student status should consult the *Graduate Bulletin* for details.

The completed special student application must be accompanied by a \$30.00 nonrefundable application fee, payable to Florida State University, and all supporting documents. Special student applications should be submitted for consideration one semester prior to the desired term of enrollment. Deadline dates are two months prior to the beginning of each term. (Consult the “University Calendar” chapter of this *General Bulletin* for specific application deadlines.) The Special Student section in the Office of Admissions reserves the right to return all applications received after the published deadline for a particular term or after any enrollment limit is reached.

A special 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 regular undergraduate admission requirements. Enrolling as a special (non-degree-seeking) student does not guarantee admission to an undergraduate program.

The University generally does not issue I-20 or DS-2019 visa documents for international special students. At the request of a department, the University will provide a visa document for special students who are accepted for full-time enrollment in a certificate program. The department must contact the International Center (<http://www.ic.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 special 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 special students is on a space-available basis. 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 (music, band, dance, or ROTC), the student also must 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 “Office of the University Registrar” 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.

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 “Office of the University Registrar” 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: Marcia Murphy

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://www.mymoney.fsu.edu>. 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. Due by the third day of each semester are all third-party agency billings, departmental billings, FSU employee scholarships, and Veteran's deferments. 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 Student Assessment Payment Schedule on the Internet at <http://www.mymoney.fsu.edu> 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 are to pay their fees at: *Controller's Office, 4750 West Collegiate Drive (Barron Building, 1st Floor), Panama City, FL 32405.* This office will answer any questions concerning fee payments and financial aid distribution. For further information, please call (850) 644-2090, ext. 175. Inquiries and payments can be made through the Internet at <http://www.fees.fsu.edu>.

Residency Requirements for Tuition Purposes

At Florida State University there are four offices responsible for the initial review of residency for tuition purposes under Section 1009.21, Florida Statutes, and Florida Board of Governors Rule 6C-7.005. 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 Rule 6C-7.005 of the Florida Board of Governors, students must: be a United States citizen, resident alien, parolee, Cuban national, Vietnamese refugee, or other refugee so designated by the Bureau of Citizenship and Immigration Services,

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 domiciliary 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 the following documentation (or in the case of a dependent student, the parent or legal guardian must submit documentation) prior to the last day of registration for the term for which resident status is sought. (**Note:** The various summer terms are considered one semester for the purpose of establishing residency):

1. Documentation establishing legal residence in Florida (this document must be dated at least one year prior to the first day of classes of the term for which resident status is sought). The following documents will be considered in determining legal residence:
 - a. Declaration of Domicile.
 - b. Proof of purchase of a home in Florida that you occupy as your residence.
 - c. Proof that the student has maintained residence in the state for the preceding year (e.g., rent receipts, employment records).
2. Documentation establishing bona fide domicile in Florida that is not temporary or merely incident to enrollment in a Florida institution of higher education. The following documents will be considered evidence of domicile even though no one of these criteria, if taken alone, will be considered as conclusive evidence of domicile:
 - a. Declaration of Domicile.
 - b. Florida voter's registration.
 - c. Florida vehicle registration.
 - d. Florida driver's license.
 - e. Proof of real property ownership in Florida (e.g., deed, tax receipts).
 - f. Verification of employment 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.
 - g. Proof of membership in or affiliation with community or state organizations or significant connections to the state.
 - h. Proof of continuous presence in Florida during periods when not enrolled as a student.
 - i. Proof of former domicile in Florida and maintenance of significant connections while absent.
 - j. Proof of reliance upon Florida sources of support.
 - k. Proof of domicile in Florida of family.
 - l. Proof of admission to a licensed practicing profession in Florida.
 - m. Proof of acceptance of permanent employment in Florida.
 - n. Proof of graduation from high school located in Florida.
 - o. 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.
3. No contrary evidence establishing residence elsewhere.
4. 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 twelve-month period,

OR

Be an active-duty member of the armed services of the United States stationed in Florida, or whose home of record is Florida (and spouse/dependent children),

OR

Be a full-time instructional or administrative staff member (refer to Section 1012.01, Florida Statutes, for the definitions of instructional and administrative personnel) employed by the public school system, community college, or university in Florida (and spouse/dependent children),

OR

Be an active-duty member of the armed services of the United States (and spouse/dependent children) attending a public community 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,

OR

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

OR

Be a person who was enrolled as a Florida resident for tuition purposes at a Florida 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).

OR

Be a Latin American/Caribbean scholar,

OR

Be a United States citizen living on the Isthmus of Panama who has completed twelve (12) consecutive months of college work at the Florida State University Republic of Panama Branch (and spouse/dependent children),

OR

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

OR

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

OR

Be a qualified beneficiary under the Florida Pre-Paid Post-Secondary Expense Program per Section 1009.988(2), Florida Statutes (pre-paid ID card required),

OR

Be a McKnight Fellowship recipient,

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 community college or university within 50 miles of the military establishment where the member is stationed,

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,

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 this state (and spouse/dependent children) attending a public community college or university within 50 miles of the military establishment where the member is stationed,

OR

Be a linkage participant receiving partial or full exemptions under section 1009.21, Florida Statutes, based on criteria approved by the Florida Department of Education per section 288.8175, Florida Statutes, which establishes linkage institutes between postsecondary institutions in this state and foreign countries,

OR

Be an active-duty member of the Florida National Guard who qualifies under Section 1009.21, Florida Statutes, for the tuition assistance program (and spouse/dependent children),

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 to the University Registrar if they are already enrolled.

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 on the Internet at the "Money Matters" section of <http://www.studentsfirst.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 2008-2009 had not been confirmed by the Florida Legislature at the time of the publication of this document.**

Actual Course Fee Charge per Credit Hour 2007-2008

Course Level	Florida Students	Non-Florida Students
0001-4999	\$109.19	\$546.91
5000 and above	\$248.18	\$879.58
Law Matriculation Pre-2006-07	\$318.02	\$985.10
Law Matriculation 2006-07	\$337.74	\$1,004.82
Law Matriculation 2007-08	\$352.49	\$1019.57
Medical per year	\$17,647.98	\$52,199.17
Repeat Course Fee per credit hour (undergraduate only)	\$179.88	\$179.88

Note: Course fees may vary depending upon course location.

Students enrolled in cooperative education courses with zero (0) semester hours will be charged for one (1) 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 (0) semester hours (master's comprehensive examination, master's thesis defense, dissertation defense, or other graduate-level zero [0] semester hour courses) will be charged for one (1) 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. This is a nonrefundable fee.

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.

FSU Card 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 and must be done in person.

Transportation Access Fee: \$6.50 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. Florida State University places a hold on accepting any personal checks or electronic payment authorizations from anyone on the student's account for ninety (90) 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 (7) 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 and Dissertation Fees: A graduate student submitting a thesis or dissertation is assessed a binding fee at cost (extra charge for oversize copies). In addition, doctoral students submitting a dissertation are assessed a microfilming fee and may pay a copyright fee, if desired.

- **Binding Fee:** At cost.
- **Microfilming Fee:** At cost.
- **Copyright Fee:** Optional, 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)

Fines for Late Return: (per book or unit, per day): \$0.25. A fine for the late return of a library book will be assessed against students as well as graduate teaching assistants and associates who do not return library books by the due date.

Fines for Overdue Reserve Library Books: (per book, per hour): \$0.25.

Fines for Failure to Respond to a "Recall Notice" (per book or unit, per day): \$0.25. A fine for the failure to respond to a "recall notice" will be assessed against students, graduate teaching assistants and associates, and faculty who do not return library books by the recall due date specified in the notice.

Fines for Late Return of Interlibrary Loan items: At cost.

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 2007–2008 academic year. Costs for the 2008–2009 academic year were not available at the date of publication.

Undergraduate	(In-state)	(Out-of-state)
Tuition and Fees¹	\$3,471.00	\$16,603.00
Housing²	4,068.00	4,068.00
Food³	3,398.00	3,398.00
Books/Supplies	1000.00	1000.00
Subtotal	\$11,937.00	\$25,069.00
Health Insurance⁴	\$1,400.00	1,400.00
TOTAL	\$13,337.00	\$26,469.00

¹ The tuition and fee estimate is based on fifteen (15) semester hours for an undergraduate student attending two (2) terms (fall and spring) per year, and represents the tuition increase that went into effect Spring Semester, 2008. Contact the Office of Admissions or refer to <http://admissions.fsu.edu/costs> for approved 2008–2009 fees.

² Average academic year (fall and spring) cost for an on-campus residence hall. The range is \$3,780–\$5,200. Contact the Office of University Housing or refer to <http://www.housing.fsu.edu> for approved 2008–2009 rental rates.

³ Allows students up to fifteen (15) meals per week. Contact Seminole Dining or refer to <http://www.seminoledining.com> for 2008–2009 actual costs.

⁴ Effective Fall 2007, FSU implemented a mandatory health insurance policy for new students admitted to the University. Cost of meeting this requirement will be 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.tshc.fsu.edu> for additional information.

Note: International students should refer to the "Admissions" chapter of this *General Bulletin* 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 deferments 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 (5) 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. Tuition and fees should be paid by the fee payment deadline as posted at <http://www.sfs.fsu.edu>. Note that University Housing and 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://www.mymoney.fsu.edu> 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 FSUSN, the last four digits of your social security number, or your or your FSU email address, 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 \$5.00 non-refundable flat fee for each transaction.

Installment Contracts are only available for payments made in person. Students incurring tuition fees greater than \$150.00 are eligible to execute an installment fee payment agreement for the fall and spring semesters (not available for summer semesters). The initial payment, which must be one half of the total tuition, plus a \$10.00 fee (subject to change) is due by the tuition payment deadline. The second half of the installment payment is due by the sixth week of class, as specified on the agreement. This option is not available on the Internet. 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. Students must appear in person to initiate the installment agreement. A \$10.00 fee (rate subject to change) will be assessed at the time of first payment for this option. Once an installment contract is executed, any course added at a later date must be paid in full within five (5) 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 cashiers 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 FSUSN, the last four digits of your social security number, or your or your FSU email address, 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 cashiers check for the full amount of fees due. Please do not send cash. 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 FSUSN, the last four digits of your social security number, or your or your FSU email address, 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 (30) 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 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.

Department Billing. Department 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 department billings, undergraduate students should contact the Dean of the Faculties at 644-3375; graduate students should contact the Dean of Graduate Studies at 644-3500.

State Employee Registration

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 seeking students. Florida State University does not consider the following as space-available courses: limited access programs; remedial courses; dissertation, thesis, and directed individual study (DIS) courses; internship courses; distance learning courses; on-line 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 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 are to pay their fees at: *Controller's Office, 4750 West Collegiate Drive, Panama City, FL 32405.* This office will answer any questions concerning fee payments and financial aid distribution. For further information, please call (850) 644-2090, ext 175. Inquiries and payments can be made through the Internet at <http://www.fees.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://www.mymoney.fsu.edu>. The local fees 2007-2008 fees), excluding books, not covered by the Prepaid College Program total approximately \$23.18 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 late payment fee. (Rate subject to change.) Fees applicable to the 2008-2009 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 <http://www.fsba.state.fl.us/prepaid>.

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 2007 Semester, the repeat course surcharge was \$179.88 per credit hour.

(Rate subject to change for academic year 2008-2009).

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.

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, 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. Non-refundable 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 Board of Governors Rule 6C-7.002 (6), F.A.C., students who do not pay tuition and fees or make arrangements for tuition and fee payment by the published deadline each semester will 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 12th week of the 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; and,
- 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 Dean of the Faculties; graduate students should contact the Dean of Graduate Studies. 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 60 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 "Office of the University Registrar" 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 deadline 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 a valid reasons for waiving the late fee. Request to waive late fees must be made by completing a waiver request form online at <http://www.mymoney.fsu.edu>. 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 end of 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 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's 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 their course schedule cancelled. These students also will not be eligible to receive a veteran's deferment in the future. Registration, transcripts, and diplomas will not be processed until debts are paid in full.

Application Fee

Individuals who make 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.

Refund of Fees

Regulations Concerning Refund of Fees Paid

A student incurs a liability for all credit hours that remain on the student's 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://www.sfs.fsu.edu/forms.html>.

Students who withdraw after the fifth 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 only can be provided **if the refund withdrawal request is submitted within six (6) 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.** Associate Director of Housing, 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), 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 (45) days if during those forty-five (45) 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.**

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

Director, 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 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.

Access is also available by calling the Express Telephone System (ET) from 8:00 a.m. through 6:00 a.m. (22 hours per day) at (850) 644-0539. 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 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 West Collegiate Drive, Panama City, FL 32405, (850) 644-2090*.

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 Office of Graduate Studies and Research and the respective academic departments.

Eligibility

Financial aid eligibility requirements normally include a minimum enrollment of twelve (12) 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 (12) hours per semester constitutes a full-time load for graduate students and fellowship holders. Nine (9) 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 2009-2010 year begins January 1, 2009, and ends June 30, 2010. 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, 2009. 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 Blackboard at <http://www.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, veteran's benefits, 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 can not be awarded aid until he/she is officially accepted for admission to Florida State University.

Loan Entrance Counseling Sessions

Federal regulations require all students receiving a Federal Stafford/Unsubsidized Stafford Loan or Federal Perkins Loan to participate in a loan entrance counseling session 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 link. This will connect the student with an 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. Students who prefer an alternative format or who have questions about loans or the loan entrance counseling 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 Disbursement Authorization Form choosing one of the following two ways to receive financial aid:

1. By Electronic Funds Transfer (EFT) to your FSUCard Account at Sun Trust. 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 (20) 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 (6) semester hours.

All financial aid students must check their financial aid status at <https://campus.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://mymoney.fsu.edu>.

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

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://www.mymoney.fsu.edu>.

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 their financial aid has arrived and all requirements have been met by the deferment expiration date. Go to <http://www.mymoney.fsu.edu> and log in; 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@admin.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.

Delayed Delivery Loans

Students in need of funds as a result of financial aid being delayed may apply for a delayed delivery loan at the Office of Financial Aid, A4400 University Center. 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. A picture ID is required in order to receive a delayed delivery loan. 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. Delayed delivery 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.

Delayed delivery loans **are not available** until the financial aid distribution period. Students should come prepared to buy books and make deposits for housing, 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 as it arrives thereafter. If the loan has already been disbursed, the student is required to notify Student Financial Services in writing within fourteen (14) 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 (14) 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 (6) 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 Blackboard (www.campus.fsu.edu) and select the “exit interview for financial aid” option. Students will need their user name and password to sign onto the 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.

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.

For additional information on scholarships, 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 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.

The Federal Work Study Program (FWSP)

The FWSP is a federally funded financial aid program, administered by the Office of Financial Aid, which 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 Learning Program (CSLP)**. This program is designed to locate and develop off-campus commu-

nity 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 Federal Work Study Program and CSLP, 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.

HOUSING

Director of University Housing: Rita Moser, 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 16 residence halls accommodating approximately 6,111 single undergraduates; one apartment facility with 40 single-occupancy efficiencies and 40 townhouses housing four students each; one apartment facility with 94 one-bedroom, double-occupancy apartments reserved for single graduate students; and one facility with three- and four-bedroom apartments housing 555 students. 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 either keys or FSUCards to enter, and visitors must use the telephones at the main entrances to request admittance.

Each room is furnished with a bed for each resident, study desks, chairs, dresser space, a small refrigerator, a direct computer connection line 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

Single 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 791 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 mail service, direct computer connections, and refrigerator rental. The cost of a standard double, air-conditioned room is \$1890.00* per semester.

Note: A limited number of single and double rooms with private baths are available at an additional cost per semester. Payment schedules are outlined in the housing agreement.

Apartment Housing for Single Students

- **Rogers Hall** (apartments) monthly, per student (including utilities and local telephone): \$380.00*
- **McCullum Hall** (apartments), per semester, per student (including utilities and local telephone): \$2,000.00–\$2,575.00.*

Alumni Village

One-bedroom furnished apartment:	\$355.00–\$383.00*
Two-bedroom furnished apartment:	\$380.00–\$531.00*
Three-bedroom furnished apartment:	\$550.00–\$606.00*

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 2007–2008 figures and are subject to change.

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.

Applications

Upon notice of admission, students receive information about housing. The Office of University Housing sends a housing agreement upon request. Most students will apply for housing electronically. An online housing agreement is available at <http://www.housing.fsu.edu>.

As space is limited, interested students are urged to submit their agreement 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 students are given the opportunity to express preference, no guarantee can be given that specific room or hall preferences can be met.

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 housing Web site at <http://www.housing.fsu.edu>.

Agreements

The **Annual Housing Agreement** for residence hall students extends from the date the application is submitted through the end of spring semester and becomes effective when the advance payment is paid. All applicants who accept the Annual Housing Agreement and enroll in the University will be required to reside in the residence hall during any period of enrollment through the second term of the academic year (August through April) and may not cancel the agreement except as stated therein.

The Annual Housing Agreement will be mailed to the student upon confirmation of admission to the University. The agreement should be read carefully and retained as a permanent record.

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 classification 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, University 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. 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	Semi-private baths; Wellness Lifestyle Program; Pre-Health Professions Learning Community
Salley	Co-ed	Self-regulated	Suites: two students/room, four/study, four/bath
Smith	Co-ed	Limited	Community-style living
Wildwood Hall	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	Sophomores, juniors, and seniors; efficiencies and townhouses
Rogers	Co-ed	Self-regulated	Graduates and older undergraduates: limited availability for undergraduate residence hall students
Ragans Hall	Co-ed	Self-regulated	Older undergraduates and graduates

ORIENTATION

Office of New Student & Family Programs

Co-Director: Patrick Heaton; **Co-Director:** Jan Daly; **Assistant Director:** Meredith Kahl

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 members—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. The Office of Orientation 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>.

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>*.

International Center

Director: Cindy Green

Assistant Director for Immigration: Kristen Hagen

In addition to the University Orientation mentioned above (see 'Office of Orientation'), newly admitted 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 newly admitted students 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. International students must report to and stay in close contact with their International Center advisers, even regarding academic matters.

Students also receive the International Student Handbook, as well as useful materials about International Center services 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 International Center staff, obtaining health insurance, clearing required immunizations at the Thagard Student Health Center, and attending the International Student Orientation.

To obtain more information on F1 and J1 student visa status and on the International Center and its services and programs, please visit <http://www.ic.fsu.edu>.

OFFICE OF THE UNIVERSITY REGISTRAR

Registrar: Kimberly A. Barber; **Associate Registrars:** Dianne Skinner, Traci Matthews, Yvette Herr
A3900 University Center

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.

Report immediately all changes in permanent and local addresses, name, social security number, divisions and majors, and residency, to this office.

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>.

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. 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. However, the registration system will not tell students if they have registered for classes meeting during the same time period. Therefore, it is important to plan very carefully before requesting courses.

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 Look Up system**. This system is available twenty-two 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 (14) days prior to the first registration window for that semester.

Students are advised to organize their material 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 permission of instructor. It is important to take care of any academic or administrative hold (stop) before calling to register.

How to Find a Course in This Bulletin

The "Course Prefixes" chapter lists course subjects alphabetically by letter prefix. The column to the right contains the department(s) and/or program(s) offering that course subject. The departments/programs can be found listed alphabetically in the "Academic Departments and Programs" section, where each course offered in a given program is listed including title, description, and credit hours.

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 underloads, overloads, 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. 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.

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 Verbal 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 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 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 Verbal Subtest is 440-470 or on the Enhanced ACT English is 17-18 will 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 its equivalent) 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 course work in mathematics offered by Tallahassee Community College on the campus of Florida State University. Students completing MAT 0024C with a passing grade must in their next term of enrollment register for MAT 1033. 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 course work must be completed with a passing grade.

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; lack of satisfactory Florida College Level Academic Skills Test (CLAST) scores; or failure to process re-admission 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 special 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.

Registrar Cancellation of Schedule

Students allowed to register in error are cancelled 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 Board of Governors Rule 6C-7.002 (6), F.A.C., students who do not pay tuition and fees or make arrangements for tuition and fee payment by the published deadline each semester will 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 12th 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 five 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 fifth 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 no 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 an International Center adviser. In addition, international students should submit the SEVIS Update Form, available at <http://www.ic.fsu.edu/currentstudents/sevis.cfm>.

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. 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 (12) semester hours or increase an academic load above eighteen (18) semester hours (to a maximum of twenty-one [21] semester hours). Courses dropped during this period do not appear on the student's transcript. To add courses after the first four days of classes requires the academic dean's approval.

A cumulative maximum of two (2) courses may be dropped **between the eighth and twelfth week** of classes during the semesters in which the student has earned fewer than sixty (60) hours of college credit; tuition charges will remain. A student may only drop one (1) course after earning sixty (60) hours of college credit and until graduation; tuition charges remain. Approval by the student's academic dean is required. Courses dropped during this period appear on the student's transcript with the notation "W."

After the twelfth week of classes, courses may be dropped only in exceptional circumstances. Dates are prorated for individual summer sessions. Approval is required by the academic dean. 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 grades of "F" if the courses are not officially dropped. Students changing from a previous catalog 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 Administrative Section of the Office of the University Registrar, A3918 University Center.

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 undergraduate students. 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. Students enrolled in Undergraduate Studies must also have permission of the Dean of Undergraduate Studies.

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 (15) semester hours; and 3) has the advance approval of the 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.

Students who wish to receive graduate credit for such course work must obtain approval of the dean, the department chair, and the instructor offering the course prior to registration for the graduate course. After approval, up to twelve (12) semester hours may be counted toward a graduate degree at Florida State University, provided the course has not been counted toward a previous degree.

Dual Enrollment of Leon County High School Students—School Board of Leon County/Florida State University Cooperative Program

To receive dual enrollment credit, students must adhere to the rules and regulations of the Leon County School Board, the State Board of Education, the Florida Legislature, and the following conditions:

1. The student must currently be enrolled in a secondary school operated by the Leon County School Board and must be taking a course or courses from Florida State University for which the student shall receive credit toward a high school diploma. The student must possess a grade point average (GPA) of 3.2 or better, certified by a high school counselor; be classified as a high school junior or senior; and meet requirements established by the School Board, the University, and the Florida Legislature;
2. Students will be enrolled at no cost to either the student or to the school district. The University will provide books and materials to the student and arrange for the payment of all fees;
3. Parents or guardians are responsible for the student's transportation;
4. Courses taken at the University will under no circumstances duplicate courses offered in the student's high school. Physical education courses offered by the University will not be considered qualified courses. The University may cancel a course due to insufficient enrollment; and
5. To remain eligible, the student must obtain a 2.0 GPA in all University course work. Both the University and the School Board will maintain academic records of the student's course work. The University will determine the status and grades of the students and will provide records of the same to the School Board at the end of each term.

Students in Leon County public high schools interested in dual enrollment course work should consult their guidance counselor for further information. Academic advising and registration for dual enrollment students at Florida State University are provided by the Office of Undergraduate Studies.

The above interinstitutional agreements and the dual enrollment agreement between the Leon County School Board and Florida State University are on file at the University in the offices of the University Registrar and the Dean of the Faculties.

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. Within the policy of the student's home university, courses taken at the host university must be graded on a satisfactory/unsatisfactory (S/U) basis;
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; and
6. Faculty and full-time students at either institution have equal access to the library facilities at both institutions.

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;

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.

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. 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.

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.

Registration of Special (Non-Degree Seeking) Students

All registration by special students is on a space-available basis. Because of excessive demand for some graduate courses, special students may be enrolled in such courses only with the permission of the graduate officer of that particular unit.

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://campus.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://campus.fsu.edu>, click the **Secure Apps** tab and select **My Unofficial Transcript**.

Enrollment Certification

All student certifications will be by official request only. Students in need of enrollment verification should submit an electronic request through the **Secure Apps** section of <http://campus.fsu.edu>. Select **Certification Request**. Follow the instructions to obtain your certification letter. Your letter will be processed the following business day. Written requests may be submitted directly to: *Certification Section of the Office of the University Registrar, A3900 University Center, Tallahassee, FL 32306-2480*,

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 (30) days. When the record includes information on more than one student, only the information pertaining to the student making the request will be given.

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 achieving junior status;
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 School of Motion Picture, Television and Recording Arts, 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 Interest Mapping ("Mapping" or AIMS)

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://registrar.fsu.edu/acad_maps/.

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 four exploratory categories. Students in these categories are expected to declare a formal major early in their second year of enrollment.

Minimum Progress

Students do not have to complete all of the recommended classes on their maps to remain on course; they simply 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. All incoming freshmen are monitored for Semester 1 milestone criteria, regardless of the number of hours that students may bring in through dual enrollment and/or credit by examination.

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: 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 by bringing a completed major change form to the Advising First Central Office, *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 information for advisers is available at <http://www.fsu.edu/~ugstudie/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 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 Majors

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 four exploratory majors in which they can examine their academic options. These four majors include 1) Sciences, Technology, and Engineering; 2) Creative Arts, Humanities, and Letters; 3) Education and Teaching; and 4) Communication, Human Services, and Social Sciences. Students still deciding on a specific major should contact the Exploratory Student Advising Office in *Room 106, William Johnston Building, (850) 645-2847*.

Although an exploratory major 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 "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 UCA Advising Center, the William Johnston Building Advising Center, the Classroom Building, Strozier Library, and a variety of other "floating" locations across campus. The William Johnston Building Advising Center focuses on advising freshman and sophomore students who are not ready to declare an intended major. 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 UCA Advising Center, located in *University Center A3200*, focuses on assisting students with major changes and working with students who are required to change their major under the University mapping system. For more information, contact Advising First's administrative office at *A3200 University Center, (850) 644-3430*; <http://www.fsu.edu/undergrad/AdvisingFirst/>.

Student Academic Support System (SASS)

The State of Florida has implemented a computerized advising system to help both the student and the adviser monitor academic progress. The **SASS** report outlines requirements the student has already met and those the student has yet to complete. Reports typically will be available through the academic adviser, although some departments have alternative methods for distributing reports to their majors. Individual requests for SASS reports may be made at Advising First Central, *A3200 University Center*. Students may also view their reports online by selecting the "undergraduate graduation check" option on the following Web site: <http://www.ais.fsu.edu/applications/student/index.html>.

Preprofessional Majors

Prelaw 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 prelaw society, Phi Alpha Delta, where they will receive special information and services focusing on prelaw issues. Students may come to Advising First to obtain a list of advisers who specialize in working with prelaw 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 also is available through this office. For further information, visit *408 College of Medicine*, or call (850) 644-7678.

Academic Support for Athletes

The **Academic Support Program** for student-athletes assists student-athletes with the transition into college and provides continued support in all phases of academic and professional development, culminating with graduation, job placement, or graduate school. Program staff provide 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.*

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 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, tutoring, 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. *A5400 University Center; (850) 644-9699.*

The **Student Support Services Program (SSSP)** is a federal TRIO grant program that provides opportunities for academic development and assists Florida State University students in motivating them to successfully complete their post-secondary education. The goal of SSSP is to increase the college retention and graduation rates of its participants and to facilitate the process of transition from one level of higher education to the next.

Pre-Collegiate Programs

College Reach Out Program is a state-funded program established to identify, motivate, and prepare disadvantaged middle and high school students to pursue post-secondary education.

The **University Experience Program** is the summer residential component of the College Reach Out Program, in which high school students from disadvantaged socio-economic backgrounds are invited to visit the Florida State University campus for two weeks during the summer. They receive instruction in verbal/math skills and cultural enrichment and otherwise experience college life.

The **Upward Bound Program** (located at East Gadsden High School in Quincy, Florida) is a federally-funded program that serves high school students from low socio-economic backgrounds. The UBP staff helps students develop academic skills and encourages them to complete high school and continue their formal education at the college or university of their choice.

Reading/Writing Center

The Reading/Writing Center provides individualized instruction in reading, writing, and study skills. The center offers ENC 1905, required for freshmen who score 450–470 on the verbal section of the SAT or 17–18 on the Enhanced ACT. It also offers directed individual study in reading and writing to undergraduate and graduate students at all levels. Students sign up for one to three (1–3) elective credits (ENC 1905) and undertake a course of study designed to meet their specific needs. Students may also receive short-term tutorial instruction on a no-credit, walk-in basis. Help in preparing for the Florida CLAST, GRE, and LSAT is also available.

Mathematics Help Center

The Mathematics Help Center offers tutorial assistance for mathematics courses MAT 0024C, 1033; MAC 1105, 1114, 1140, 2233, 2311; MGF 1106, 1107; and limited help in MAD 2104 and MAC 2312 and 2313. The center offers a practice Florida CLAST several times each semester. Center hours are announced each semester by course instructors. The hours are also posted at the help center at *110 Milton Carothers Hall* and at *208 Love Building*.

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.

Bryan Hall Learning Community

Participants in this program will enroll in a section of AMS 1363 that offers an introduction to the academic opportunities provided by a research university. Faculty research, scholarship, and creative activities are emphasized in the context of the teaching, research, and service missions of the University.

The First-Year Experience

The **First-Year Experience (AMS 1363)** is a one-credit-hour course offered only to first-time-in-college students and is coordinated by the Dean of Students Department and the American and Florida Studies Program. The class helps students to understand the importance of a liberal arts education, develop a framework for understanding their university experiences, and become more goal-oriented in their academic and extracurricular experiences. Students learn the history of Florida State University, including the values of the institution, and explore the various University resources available to them. Faculty and administrators teach the course in small, seminar-style classes of approximately twenty students, and each group has access to a trained peer leader. Students may contact the Dean of Students Department at *(850) 644-2428* to learn more about the First-Year Experience.

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 assists students in pursuing opportunities for enrichment by providing information and support throughout the fellowship application process. Through one-on-one mentoring and direct assistance for over 60 nationally competitive fellowships, we help students to identify and achieve their academic, public service, creative, and leadership goals. For more information, contact the Office of National Fellowships at *A3550 University Center; (850) 645-2208; <http://onf.fsu.edu>.*

Office of Undergraduate Research and Creative Endeavors

The Office of Undergraduate Research and Creative Endeavors (URACE) 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 to Florida State University students. For more information, contact URACE staff members at *3600A University Center*, call *(850) 645-8118*, or visit the Web site at *<http://undergradresearch.fsu.edu>*.

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 check sheets for each undergraduate transfer student who enters without an associate in arts (AA) degree from a Florida public senior or community college. 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 Student Academic Support System (SASS) report. The SASS 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 “Office of the University Registrar” 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 (52) 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 (75) 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, 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 mathematics requirements in Areas I and II, and have passed the Florida College Level Academic Skills Test (Florida CLAST) or approved alternative.

At about the end of the sophomore year, students formally select a major and request acceptance by the college or school 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 (52) or more semester hours of credit, are admitted directly into the college of their choice.

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 (36) semester hours, as follows:
 - Area I.** Mathematics (six [6] semester hours)
 - Area II.** English Composition (six [6] semester hours)
 - Area III.** History/Social Science (six [6] to twelve [12] semester hours)
 - Area IV.** Humanities/Fine Arts (five [5] to eleven [11] semester hours)
 - Area V.** Natural Science (seven [7] semester hours)

For details, please see 'The Liberal Studies Program' of this chapter;
2. Satisfactory completion of Section 1007.25, Florida Statutes, the "Gordon Rule," requiring specific course work in composition and mathematics. Students are expected to demonstrate proficiency in the use of spoken and written English in all of their courses;
3. Satisfactory completion of the Florida CLAST or approved alternative;
4. 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 majors, including admission, prerequisite, core, etc., both degree programs may appear on the diploma;
5. A minimum adjusted grade point average (GPA) of 2.0 on all course work taken at Florida State University and an overall 2.0 average on all college-level work attempted;

6. Successful completion of a minimum of one hundred twenty (120) unduplicated semester hours, only two (2) hours of which may be in physical education activity courses;
7. Completion of at least forty (40) semester hours in courses numbered 3000 and above;
8. Completion of the last thirty (30) semester hours in residence at this University. In cases of emergency, a maximum of six (6) hours of the final thirty (30) 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 (30) hour requirement provided that the student has earned at least thirty (30) semester hours credit at Florida State University;
9. Sixty (60) semester hours of the work credited toward a baccalaureate degree must be earned in an accredited senior institution;
10. Students who have entered a university in the State of Florida, Division of Colleges and Universities, with fewer than sixty (60) hours of credit in the fall of 1976 or any time thereafter are required to earn at least nine (9) hours prior to graduation by attendance in one or more summer terms at one of the eleven State of Florida senior 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 Dean of the Faculties. Students entering Florida State University beginning with Summer C 2002 will be exempt from the Summer term requirement if they have earned nine (9) semester hours of credit through approved acceleration mechanisms as identified in Florida Statutes (AP, IB, AICE, CLEP, approved dual enrollment courses); and
11. Successful completion of coursework constituting the student's program of studies, minor, honors thesis, or certification examination does not guarantee award of the baccalaureate degree. Faculty judgment of the academic performance of the student is inherent in the educational process in determining whether the award of the baccalaureate degree or admission into a higher level degree program is warranted.

Note: For the purpose of establishing residency, the various summer terms 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, Linda Mahler

Assistant Dean: Sara Hamon

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 Office of National Fellowships, and the Office of Undergraduate Research and Creative Endeavors. 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 Creative Endeavors', and 'Transfer and Information Services' in the "Academic Advising and Support Services" chapter of this *General Bulletin*.

Freshmen and sophomores have their programs and course work supervised by the Office of Undergraduate Studies. Exceptions to this placement are students accepted into the College of Music, College of Motion Pictures, Television, and Recording 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 (6) semester hours of mathematics and six (6) semester hours of English composition, six (6) to twelve (12) semester hours in social science/history, five (5) to eleven (11) semester hours in humanities/fine arts, and seven (7) semester hours in natural science (one course must be accompanied by a scheduled laboratory) for a total of thirty-six (36) semester hours.

Liberal Studies Requirements

The liberal studies requirements must be met by completion of appropriate course work or by combination of course work and credit by examination within the limits set below:

- Credit by Examination.** A maximum of thirty (30) semester hours of credit earned through examination may be applied to the liberal studies requirements;
- Course Work.** An overall 2.0 average or better is required for course work used to satisfy the liberal studies requirements;
- To satisfy the requirements of Florida State University for Section 1007.25, Florida Statutes, 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 (mathematics), 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; and
- 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 course work prior to enrollment in English composition and/or mathematics courses. See 'Required Preparatory Courses' in the "Office of the University Registrar" chapter of this *General Bulletin*.

Area I. Mathematics

Students must complete (or be exempted from with credit) at least six (6) semester hours in mathematics. Eligible students will enroll, as space permits, in three (3) 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 (6) semester hours of the mathematics liberal studies requirement should normally be completed by the end of the sophomore year.

Students must complete three (3) semester hours in the Department of Mathematics and three (3) 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 (6) 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 (6) semester hours of freshman writing courses. Each of these courses will require 6,000 words of writing. All courses used to satisfy this requirement (Section 1007.25, Florida Statutes) must be completed with a grade of "C-" or higher.

Students must complete either ENC 1101 (or 1121) and a second course from the following list. Most students take ENC 1102 (or 1122) as the second course.

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 (6) to twelve (12) semester hours, including a minimum of three (3) semester hours of history and three (3) 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)
HIS 3464W	History of Modern Science (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 2470xW	Anthropology of Globalization (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)

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.)
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 (5) to eleven (11) semester hours. One course must meet the literature requirement. Courses meeting the literature requirement are marked by an asterisk.

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)
* AMS 3310W	Changing Concepts of the American Character (3)
AMS 3810W	The Life of the Mind in America (3)
ARH 2000W	Art, Architecture, and Artistic Vision (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)
* 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 3370W	Classical Mythology (3)
* CLT 3378xW	Ancient Mythology, East and West (3)
* CLT 3380W	Classical Drama and Its Influence (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 3520r	French Cinema (3)
* FRT 3561yW	French Women Writers (3)
* GET 3130yW	Masterpieces of German Literature in Translation: 19th and 20th Centuries (3)
GET 3524rW	German Cinema (3)
* HUM 2210W	Humanities: Homer to Gothic (3)
* HUM 2235W	Humanities: From the Renaissance to the Enlightenment (3)
* HUM 2250W	Humanities: 18th-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)
* HUM 3324xW	Cultural Imperialism (3)
* HUM 3800W	Humanities: Principles of Criticism and Appreciation (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 3523rW	Italian Cinema (3)
JPT 3391xW	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: 18th and 19th Centuries (3)
MUH 2012W	Music in Western Culture, 19th and 20th 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 (1) 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 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 3123yW	Philosophy of Feminism (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 3054W	Critics of Religion (3)
REL 3145yW	Gender and Religion (3)
REL 3170xW	Religious Ethics and Moral Problems (3)
REL 3493	Religion and Science (3)
REL 3505W	The Christian Tradition (3)
REL 3607W	The Jewish Tradition (3)
* RUT 3110yW	Russian Literature in English Translation (3)
RUT 3523	Russian Cinema (3)
SLL 3510x	The Slavic Vampire (3)
* SPT 3130xW	Latin American Literature in Translation (3)
SPT 3391r	Hispanic Cinema (3)
THE 2000yW	Introduction to Theatre (3)
THE 3061	Introduction to Theatre in London (3)
* THE 3214W	World Theatre History II (3)
WST 3251yW	Women in Western Culture: Images and Realities (3)

Note: On credit limit for dance series DAN 3144 – 3145 – 3146; credit toward liberal studies requirements will be given for only one course.

Area V. Natural Science

Students must complete a minimum of seven (7) 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)
AST 3033	Recent Advances in Astronomy and Cosmology (3)

BSC 1005	General Biology for Non-majors (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)
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 1046	General Chemistry II (3)
CHM 1045L	General Chemistry Laboratory I (1)
CHM 1046L	General Chemistry Laboratory II (1)
CHM 1050	Honors General Chemistry I (3). (For science majors.)
CHM 1051	Honors General Chemistry II (3). (For science majors.)
CHM 1050L	Honors General Chemistry Laboratory I (1). (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 1030W	Environmental Issues in Geology (3)
GLY 1042	Planetary Geology (3)
GLY 1070	Living on the Water Planet (3)
GLY 1102	Dinosaurs and Disasters on an Evolving Earth (3)
GLY 2010C	Physical Geology (4) (For science majors.)
GLY 2100	Historical Geology (3)
GLY 2100L	Historical Geology Laboratory (1)
HUN 1201	The Science of Nutrition (3)
ISC 2003x	Global Change: Its Scientific and Human Dimensions (3)
ISC 2937rW	Natural Science Honors Seminar (3). (For honors students only.)
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.)
OCB 2302	Biology of Marine Mammals (3)
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)
PSC 2801C	Physical Science for EC/EE Teachers (4)
SPA 2001	Communication Science 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 SASS system. Students with the AA degree or General Education Statement from a Florida public senior or 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 (60) semester hours must complete at least one "x" and one "y" course. Students transferring

to the University with sixty (60) 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

AFH 4302	North African History: A Survey (3)
ANT 2410	Introduction to Cultural Anthropology (3)
ANT 2416	Childhood Around the World (3)
ANT 2460	Anthropology of Food (3)
ANT 2470	Anthropology of Globalization (3)
ANT 2511	Introduction to Physical Anthropology and Prehistory (3)
ANT 3141	World Prehistory (3)
ANT 3212	Peoples of the World (3)
ANT 3231	Introduction to Folklore (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 4337	Peoples and Cultures of Amazonia (3)
ANT 4352	Peoples and Cultures of Africa (3)
ANT 4362	Peoples and Cultures of Southeast Asia (3)
ANT 4363	Japanese Society and Culture (3)
ANT 4364	Chinese Society and Culture (3)
ANT 4422	Kinship and Social Organization (3)
ARH 2090	Great Discoveries in World Archaeology (3)
ARH 2581	A Survey of "Tribal Arts" Past and Present (3)
ARH 3530	The Arts of Asia (3)
ARH 3582	Arts and Cultures of the South Pacific (3)
ARH 4523	West African Art and the Diaspora: Brazil, Haiti, the U.S., and Suriname (3)
ARH 4551	Arts of China (3)
ARH 4554	Arts of Japan (3)
ARH 4583	The Arts of Oceania, Africa and Native America (3)
ARH 4585	Arts and Architecture of Polynesia (3)
ASH 1044	Middle Eastern History and Civilization (3)
ASH 3100	History of Asia (3)
ASH 4223	Modern Middle East (3)
ASH 4520	Traditional India (3)
ASH 4550	Modern India (3)
CCJ 3677	Crimes Against Humanity (3)
CHT 3391r	Chinese Cinema and Culture (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 3512	Political Development in East Asia (3)
CPO 3520	Emerging Democracies in Northeast Asia: Korea, Taiwan, Japan (3)
CPO 3541	Politics of China (3)
CPO 3553	Politics of Japan (3)
CPO 3614	East European Politics (3)
CTE 3515	History of Clothing and Textiles I (3)
ECS 3003	Comparative Economic Systems (3)
ECS 4013	Economics of Development (3)
FRT 3140	Masterworks of French Literature in Translation (3)
GEA 1000	World Geography (3)
GEO 1400	Human Geography (3)
GEO 4421	Cultural Geography (3)
HHH 2152	Multicultural Perspectives in Residential Environments (3)
HOE 3330	Human Sciences and Human Development: Global Perspectives (3)
HUM 3324	Cultural Imperialism (3)
HUN 2125	Food and Society (3)
ISC 2003	Global Change: Its Scientific and Human Dimensions (3)
JPT 3391	Japanese Film and Culture (3)
LAH 1093	Latin America: A Cross-Cultural History (3)
LAH 3411	History of Mexico, Central America, and the Caribbean (3)
LAH 3500	History of South America (3)
LAH 4430	History of Mexico (3)
LAH 4470	History of the Caribbean (3)
LAH 4600	History of Brazil (3)
LAH 4748	Social Revolutionary Movements in Latin America (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)
MUH 2513*	Music Cultures of the World II (2)

*Note: Students must take MUH 2512 and MUH 2513 or one of them and MUN 2800r or 4803r

MUH 4572	Music of Japan (3)
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 4333	Modern Hinduism (3)
RUT 3500	Modern Russian Life (3)
SLL 3500	Slavic Culture and Civilization (3)
SPC 4710	Interracial/Intercultural Communication (3)
SPN 3520	Cultures of Latin America (3)
SPT 3130	Latin American Literature in Translation (3)
SYD 3020	Population and Society (3)
SYO 3200	Sociology of Religion (3)
THE 4432	Latin American and Caribbean Theatre (3)
THE 4438	African Theatre and Performance (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)
AFA 3395	Cultural Pluralism and Community Service (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)
AMH 4561	Women in 19th-Century America (3)
AMH 4562	Women in Modern America (3)
AMH 4571	Black America to 1877 (3)
AMH 4572	Black America Since 1877 (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 2585	Race: Biology and Culture (3)
ARH 4601	Native American Arts and Architecture of the Southwest (3)
ARH 4680	American and Ethnic Folk Art (3)
ASC 2510	Deaf Culture (3)
CCJ 4662	Minorities, Crime and Social Policy (3)
CCJ 4663	Women, Crime, and Justice (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)
CTE 3516	History of Clothing and Textiles II (3)
DAN 3185	African-American Dance in American Culture (3)
EDF 2073	Diversity in and out of School: Multicultural Policies and Practices (3)
EDG 2701	Teaching Diverse Populations (3)
FOW 3240	Literature and Sexuality (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)
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)
LEI 1181	Leisure and Recreation: A Cross-Cultural Approach (3)
LIS 2568	Multicultural Issues in Information Resources for Youth (3)
LIT 3383	Women in Literature (3)
LIT 4329	African American Folklore (3)
LIT 4385	Major Women Writers (3)
MUE 2390	Teaching Music to Diverse Populations (3)
MUH 2019	Modern Popular Music (3)
MUH 3053	American Roots Music (3)
MUH 4541	Music of Latin America I (3)
MUH 4542	Music in Latin America II (3)
MUH 4543	Music in the Caribbean (3)

NUR 3655	Multicultural Factors and Health (3)
PET 4253	Lesbian and Gay Sport Studies (3)
PET 4254	Gender Issues in Sport and Physical Activity (3)
PHM 2121	Philosophy of Race, Class, and Gender (3)
PHM 3123	Philosophy of Feminism (3)
PUP 3323	Women and Politics (3)
RCS 1065	Disability in Western Culture (3)
REL 2121	Religion in the United States (3)
REL 3145	Gender and Religion (3)
REL 3146	Gender and the Bible (3)
REL 3375	Afro-Caribbean Religions (3)
RUT 3110	Russian Literature in English Translation (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)
SOW 4627	Mental Health of Diverse Populations (3)
SPA 2631	Deaf Culture (3)
SPC 4630	Rhetoric of Women's Issues (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)
URP 4402	Sustainable Development Planning in the Americas (3)
WST 3251	Women in Western Culture: Images and Realities (3)

Oral Communication Competency

Competency 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;
 - 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).
- 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 "C-" or higher will automatically be assumed to have completed the requirement:
 - Earn a grade of "C-" or better in a course which has been approved by the Undergraduate Policy Committee for oral communication competence credit:
 - Earn a grade of "C-" or better in a course (1-3 semester hours) in the major or minor that has been certified by the Undergraduate Policy Committee as meeting the standards for oral communication competency; or
 - Earn a grade of "C-" or better in one of the following courses: SPC 1016, Fundamentals of Speech, or SPC 2600, Public Speaking.

Departments may elect to require one of the two listed communication courses.

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;

2. Make effective use of both vocal and physical delivery in the presentation;
3. Use standard American English;
4. Adapt the presentation to the particular audience; and
5. Be receptive to questions and/or criticism.

Courses in the oral performance of literature will not satisfy this requirement.

Currently Certified Courses

AFR XXXX	Sequence of three courses (see the Department of Aerospace Studies for details)
CCJ 4209	Courts and Social Policy (3)
COM 3110	Communication for Business and the Professions (3)

Note:The three courses below must be taken in the listed sequence to satisfy the requirement.

EES 3040 Introduction to Environmental Engineering Science (3)

AND

CGN 4800 Pre-Senior Design and Professional Issues (1)

AND

CGN 4802 Civil Engineering Senior Design Project (3)

ECH 2050 Chemical Engineering Communication (2)

*EML 4551C Senior Design Project I (3)

AND

*EML 4552C Senior Design Project II (3)

*Both courses must be taken to satisfy the requirement.

FIL 2110 Screenwriting I (3)

GEB 3213 Business Communications (3)

HEE 3103 Methods of Teaching Family and Consumer Sciences (3)

HEE 4054 The Educative Process (3)

MET 3940r Weathercasting (1)

#MUE 3491 Communication Skills for the Musician: Choral (2)

AND

#MUE 3495 Music Education Laboratory (1)

#Both courses must be taken to satisfy the requirement.

^MUE 3493 Communication Skills for the Musician: Instrumental (2)

AND

^MUE 3496 Music Education Laboratory (1)

^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)

NUR 4642 Substance Abuse and the Effects on Health, Family and Profession (3)

PHY 3091 Communication in Physics (2)

PHY 4990 Senior Seminar (1)

SOW 3350 Interviewing and Recording in Social Work (3)

SPA 2020 Effective Oral Communication (3)

SPC 1016 Fundamentals of Speech (3)

SPC 2600 Public 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, or
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, and
- The ability to perform simple transactions using the Web/Internet.

Statewide Graduation Requirements

Two Florida statutes apply to the rules for academic progress to be followed by students in the state universities of Florida: the requirements of minimum communication and computation skills as stated in Section 1007.25, Florida Statutes; and the Florida CLAST. The requirements of these rules follow.

College-Level Communication Skills

Section 1007.25, Florida Statutes

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 (mathematics), 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 ‘Progression to Upper Division’ in the “Undergraduate Degree Requirements” chapter of this *General Bulletin*.

Exemptions, Waivers, Advanced Placement. A student shall be allowed to at least partially satisfy the mathematics requirement of Section 1007.25, Florida Statutes, 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; or
3. By satisfying College-Level Examination Program (CLEP) requirements in mathematics for postadmission exemptions of course work.

Any student who has satisfied CLEP requirements in mathematics and whose high school transcript shows successful completion of higher mathematics course work, including college algebra, trigonometry, and calculus, shall be certified as having satisfied the computation requirement of Section 1007.25, Florida Statutes, though the student may still be required to complete the mathematics requirement for liberal studies.

An Advanced Placement calculus score of 3 or higher will satisfy the second mathematics course for Section 1007.25, Florida Statutes.

A student may also be allowed to satisfy the English component of Section 1007.25, Florida Statutes, through one of the following methods:

1. Students who score 650 or higher on the verbal 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 (3) 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 (3) semester hours of credit for ENC 1101. A score of 4 or 5 on a single exam earns the student six (6) semester hours of credit for liberal studies and Section 1007.25, Florida Statutes.

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 the requirements of Section 1007.25, Florida Statutes.

Students transferring from other institutions that come under the provision of Section 1007.25, Florida Statutes, but who have not received the AA degree will be deemed to have satisfied the requirements of Section 1007.25, Florida Statutes, if the previous institution indicates, by notation on the transcript or by some other form of written certification, that the student has satisfied the rule 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 Section 1007.25, Florida Statutes.

Courses taken by correspondence will be treated in the same manner as courses accepted for transfer.

Florida College Level Academic Skills Test

The Florida CLAST is required by Florida statutes and rules of the State Board of Education for the admission of students to upper-division status in the state universities of Florida. Students must complete the Florida CLAST prior to the end of their sophomore year in college. Transfer students admitted directly to baccalaureate degree programs who have not completed the Florida CLAST must register for and take the Florida CLAST prior to or during the first term of enrollment.

Beginning January 1st, 1996, the following alternatives have been approved to meet statewide requirements of the Florida CLAST. **Students who plan to major in a teacher education program must take and achieve a passing score on all sections of the CLAST; or, if students have otherwise met CLAST requirements by one of options 1 through 3 below, they may substitute a passing score on the General Knowledge portion of the Florida Teacher Certification Exam instead of taking CLAST.**

1. Any student who achieves a cumulative grade point average of 2.5 or above, on a 4.0 scale, in postsecondary-level English and mathematics course work identified by The Postsecondary Education Planning Commission, shall be exempt from the requirement for passing the CLAST subtest in question.
2. SAT I (re-centered) Scores: any student who achieves a math score of 500 or above has satisfied the Computation section; any student who achieves a verbal score of 500 or above has satisfied the reading, English language skills, and essay section requirements of CLAST.
3. Enhanced ACT Scores: students who achieve a score of 21 or above in mathematics have satisfied the computation section requirement of CLAST; students who achieve a score of 22 or above in reading have satisfied the reading section requirement of CLAST; students who achieve a score of 21 or above in English have satisfied the English language skills and the essay section requirement of CLAST.

Individual student scores will become a part of the permanent record of the student. Passing scores for students taking the Florida CLAST during the period of August 1986 through July 1989 are as follows: Reading—270; English Language Skills—270; Computation—275; Essay—4. Passing scores for students taking the Florida CLAST during the period August 1989 through September 1991 are: Reading—295; English Language Skills—295; Computation—285; Essay—4. Passing scores for students taking the Florida CLAST during the period October 1991 through September 1992 are: Reading—295; English Language Skills—295; Computation—290; Essay—5. Passing scores for students taking the Florida CLAST after September 30, 1992, are: Reading, English Language Skills, Computation—295; Essay—6.

Note: Because of a change in the grading scale, students not passing the Essay subtest prior to October 1, 1991 must earn a minimum score of 5 to complete the Essay subtest requirement.

All subtests of the Florida CLAST must be passed by the term a student earns ninety-six (96) semester hours of credit. Students exceeding ninety-six (96) semester hours without passing the Florida CLAST will not be able to continue in major course work until appropriate scores have been achieved.

Students must register for and take the Florida CLAST prior to completing their sophomore year. The following skills will be measured:

Reading Skills

- Recognizing main ideas
- Identifying supporting details
- Determining meanings of words
- Recognizing author's purpose
- Distinguishing between fact and opinion
- Detecting bias
- Recognizing author's tone
- Recognizing relationships within and between sentences
- Recognizing valid arguments
- Drawing inferences and conclusions

Writing Skills

- Determining the purpose for writing
- Limiting the subject to the requirements of time, purpose, and audience
- Formulating a thesis statement
- Providing adequate and relevant supporting details
- Arranging ideas in a logical organizational pattern with effective transition between parts
- Using words that convey the meaning required by context
- Avoiding slang, jargon, clichés, pretentious expressions, and wordiness

- Placing modifiers correctly
- Coordinating and subordinating sentence elements
- Using parallel expressions for parallel ideas
- Avoiding fragments, comma splices, and fused sentences
- Using a variety of sentence patterns
- Avoiding unnecessary use of passive construction
- Avoiding awkward constructions
- Using standard verb forms
- Maintaining agreement between subject and verb, pronoun and antecedent
- Using proper case forms
- Using standard spelling, punctuation, and capitalization
- Maintaining a consistent point of view

Computational Skills: Algorithms

- Adding, subtracting, multiplying, and dividing real numbers, including rational numbers in decimal and fractional forms
- Rounding measurements
- Calculating distances, areas, and volumes
- Applying the order-of-operations agreement
- Using scientific notation
- Solving linear equations and inequalities
- Using given formulas to compute results without geometric measurement
- Identifying information contained in graphs
- Determining the mean, median, and mode
- Selecting the sample space associated with an experiment
- Deducing facts of set inclusion or set noninclusion from a diagram

Concepts

- Recognizing the meaning of exponents
- Recognizing the role of the base number in numeration systems
- Identifying equivalent forms of decimals, percents, and fractions
- Determining the order relation between magnitudes
- Recognizing horizontal, vertical, parallel, perpendicular, and intersecting lines
- Identifying relationships between angle measures
- Classifying simple plane figures by recognizing their properties
- Recognizing similar triangles and their properties
- Identifying types of measurement (linear, square, cubic) for geometric objects
- Recognizing and using abstract properties of operations
- Determining whether a number is among the solutions of a given equation or equality
- Recognizing statements of proportionality and variation
- Identifying regions of the coordinate plane that correspond to specific conditions
- Recognizing the properties of the normal curve
- Recognizing samples that are representative of a given population
- Identifying the probability of a specified outcome
- Identifying simple and compound statements and their negations
- Determining equivalence and nonequivalence of statements
- Drawing logical conclusions from data
- Recognizing invalid arguments with true conclusions
- Distinguishing between fallacious and nonfallacious arguments
- Recognizing proof by contradiction
- Identifying characteristics of tasks that computers perform well
- Identifying human functions necessary to use computers
- Identifying possible abuses of computer use

Computational Skills: Generalizations

- Inferring relations between numbers in general by examining number pairs
- Selecting applicable properties for performing arithmetic calculations
- Inferring formulas for measuring geometric figures
- Selecting applicable formulas for computing measures of geometric figures

- Inferring relations among variables
- Selecting applicable properties for solving equations and inequalities
- Inferring relations and making accurate predictions from studying particular cases in probability and statistics
- Inferring valid reasoning patterns and expressing them with variables
- Selecting applicable rules for transforming statements without affecting their meaning

Computational Skills: Problem Solving

- Solving real-world problems involving perimeters, areas, and volumes of geometric figures; the Pythagorean property; the normal curve; and probabilities
- Solving real-world problems inviting the use of variables
- Solving real-world problems that do not require the use of variables
- Solving problems that involve the structure and logic of arithmetic and algebra
- Drawing logical conclusions when facts warrant them

Most courses regularly taken by freshmen and sophomores involve the reading skills covered on the Florida CLAST. Writing skills are specifically addressed in the Liberal Studies Program by the courses in written communication listed under Area II, English Composition. Special instruction is available in the Reading/Writing Center of the Department of English. Many of the computational skills in arithmetic, geometry, and measurement should be mastered before the student enters the University, but assistance in reviewing these skills can be obtained through the Mathematics Help Center of the Department of Mathematics or through a community college course. All computational skills beyond that level are included in the following set of courses: MAC 1105, 1140; MGF 1106, 1107; and STA 1013. For specific details about which skills are covered in particular courses, students should consult the Department of Mathematics. Special instruction in these skills is also available in the Mathematics Help Center.

CLAST Waiver Criteria

Section 1008.29 and (6), Florida Statutes, and State Board of Education rule 6A-10.0311(7) provide for a waiver of the passing score of a Florida CLAST subtest for students other than those with specific learning disabilities. A student is eligible to apply for a waiver of the passing score on the Florida CLAST if the student can demonstrate proficiency in the discipline of the appropriate subtest. A student who has failed a subtest of the Florida CLAST four (4) or more times but who also demonstrates proficiency in the discipline corresponding to the subtest may petition for a waiver with the student's academic dean. If the academic dean believes the student has demonstrated proficiency in the area of the failed subtest, the academic dean may request that the Committee on CLAST Waivers consider the student's appeal. Florida State University's President grants the waiver upon recommendation by the committee.

Florida State University has adopted the following working definition of **proficiency**: proficiency in language ability generally means the ability to use the language acceptably and correctly in the four skill areas of listening, speaking, reading, and writing.

Minimum Criteria for Eligibility for CLAST Waivers in the Communications Area for All Students

1. Completion of undergraduate English communication liberal studies courses at Florida State University with a "C" or better regardless of first language. This requirement applies to all transfer students and those students native to Florida State University;
2. At the time of the consideration by the Committee on CLAST Waivers, students must have earned a minimum cumulative grade point average of 2.0.

Minimum Criteria for Eligibility for CLAST Waivers in the Communications Area for Non-native English Speaking Students

1. All international students transferring to Florida State University from any institution of higher education will submit a TOEFL score of 550;
2. All Florida public community college students transferring to Florida State University without the associate of arts degree whose first language is not English must present a TOEFL score of 550.

Minimum Criteria for Eligibility for CLAST Waivers in the Computation Area for All Students

1. Completion of two undergraduate mathematics liberal studies courses with at least a 2.0 average. This requirement applies to all transfer students and those students native to Florida State University;
2. At the time of consideration by the Committee on CLAST Waivers, students must have earned a minimum cumulative grade point average of 2.0.

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 sixty (60) semester hours of college credit;
 2. Presentation of appropriate scores on the Florida CLAST or approved alternative;
 3. 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;
4. 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;
 5. 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 courses fulfilling Section 1007.25, Florida Statutes ("Gordon Rule"). A minimum grade of "C-" is required in each of the courses used to fulfill Section 1007.25, Florida Statutes;
 6. 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 (52) semester hours of transferable credit will be assigned to the Division of Undergraduate Studies. Students with fifty-two (52) 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 (75) 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:

1. Obtain a signed approval form from the dean of the college to which the student wishes to transfer;
2. Obtain an approval signature on that form from the dean of the college from which the student wishes to transfer; and
3. 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 (60) 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 (20) of the last thirty (30) semester hours of work must be earned in residence. Successful completion of the Liberal Studies Program with a 2.0 GPA or better

and passing Florida CLAST scores or approved alternative are required for the AA certificate. Students beginning their college program January 1983 or later must also meet the requirements of Section 1007.25, Florida Statutes.

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.

Teacher Education

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 Preservice Teacher Preparation Programs, state that students planning to matriculate in a teacher education program at Florida State University must: 1) Complete all University liberal studies requirements; 2) Take and pass the CLAST or the general knowledge portion of the Florida Teacher Certification Exam (FTCE); and 3) Acquire a passing score on the professional knowledge and subject area test on the Florida Teacher Certification Exam (FTCE) prior to completion of program requirements. 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 should 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 (90) semester hours of credit or **two terms** prior to the planned graduation date. Florida CLAST scores must appear on the transcript.

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 ten (110) semester hours, a stop will be placed on the student's future registration.

Application for Graduation

Application for a degree must be made to the Office of the University Registrar by the date stated in the academic calendar in this *General Bulletin* during the term in which the student expects to graduate. If the student is unable to graduate at the end of the term for which application was made and the diploma was ordered, the student must again make application for degree no later than the deadline for the next term in which the student expects to graduate. The student must also bear the expense of the second diploma request.

The Bachelor of Arts Degree

The Bachelor of Arts (BA) degree requires all the general criteria listed at the beginning of this section, **and**

1. Completion of a classical or modern foreign language through the 2000 level (2200 or equivalent course); and
2. Nine (9) 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 (not including work in communication disorders), and the departments of Classical Languages, Literature, and Civilization; English; History; Modern Languages and Linguistics; Philosophy; or Religion in the College of Arts and Sciences.

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 (30) semester hours in residence are completed, in addition to the hours required for the first degree. The additional thirty (30) 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 (30) semester hours. There are no liberal studies or Florida CLAST 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*.

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; and
- 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 (40) semester hours of graded work, including the final term's work;
2. The student must have the required average on all work taken at this University; and
3. The student must have the required overall 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.

American Sign Language as a Foreign Language

Students pursuing the Bachelor of Arts degree may substitute American Sign Language through SPA 2614C for the foreign language requirement, except where a particular foreign language(s) has been specified by a college, or program for a specific degree.

ACADEMIC REGULATIONS AND PROCEDURES, CREDIT, AND CREDIT LIMITATIONS

Academic Honor Policy

The statement on Values and Moral Standards at Florida State University 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.” (Values and moral standards at Florida State University retrieved from the current *General Bulletin* located at <http://registrar.fsu.edu/>.)

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.” (Values and moral standards at Florida State University retrieved from the current *General Bulletin* located at <http://registrar.fsu.edu/>.)

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. Further information about the Academic Honor Policy can be accessed at <http://dof.fsu.edu/honorpolicy.htm>.

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 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.** Intentionally 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; using facts, figures, graphs, charts or information without acknowledgement of the source.
2. **Cheating.** Improper application of any information or material that is used in evaluating academic work. 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; 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.** Intentional and 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; 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; 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; and
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. Students are also accorded the following prerogatives:
 1. When possible, to discuss the allegations with the instructor;
 2. Privacy, confidentiality, and personal security;
 3. To be assisted by an adviser who may accompany the student throughout the process but may not speak on the student’s behalf;
 4. To choose not to answer any question that might be incriminating;
 5. 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 report the alleged violation 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.) However, faculty members or others who do not have administrative authority for enforcing the Academic Integrity Policy should not be informed of the

allegation, unless they have established a legitimate need to know. If pursuing a Step 1 agreement 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. Four possible outcomes of this discussion may occur:

1. If the charge appears unsubstantiated, the instructor will drop the charge, and all documents created in investigating the allegation will be destroyed. The instructor should make this decision using the “preponderance of the evidence” standard and should inform the Office of the Dean of the Faculties.
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, 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.
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 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 along with supporting documentation to the Dean of the Faculties Office 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 90 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 7 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 to the Office of the Dean of the Faculties.

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 course is taught; 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 is a non-voting member of the committee.

The hearing will be conducted in a non-adversarial manner with a clear focus on finding the facts within the academic context of the course. The student is presumed innocent going into the proceeding. After hearing all available and relevant information, 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, and the Dean of Students Department. The Dean of Students Department will report the decision to the University 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. 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. Readmission is possible but not guaranteed and will only be considered after two years from the effective date of the dismissal, based on meeting all admission criteria and obtaining clearance from the Dean of Students or designee;
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; and/or
13. Revocation of degree, in cases where an egregious offense is discovered after graduation.

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; or
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 10 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 30 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 Dean of the Faculties 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 Graduate Studies prior to meeting with the Dean of the Faculties. 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 Dean of the Faculties 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 Graduate Studies prior to meeting with the Dean of the Faculties. The Student Academic Relations Committee has the authority to direct, through the Vice President for Academic Affairs, that corrective action be taken when justified.

University 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.

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*.

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*.

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. A student reported for excessive absence in any course may be required by the academic dean to drop the course with the grade of "F".

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.

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, and nursing majors. Membership within these units implies that the student agrees to fulfill the obligations of the organization.

Religious Holy Days

Per Section 1006.53, Florida Statutes, the Florida State University policy on observance of religious holy days provides that students shall, upon notifying their instructor, be excused from class to observe a religious 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 holy day observance. 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 Dean of the Faculties 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 'General Academic Appeals Process' section of this chapter for a complete description.

Classification of Students

Students are classified on the basis of semester hours earned as follows:

- **Freshman**, zero (0) through twenty-nine (29) semester hours, classification 1;
- **Sophomore**, thirty (30) semester hours, classification 2;
- **Junior**, sixty (60) semester hours, classification 3;
- **Senior**, ninety (90) semester hours, classification 4;
- **Graduate**, any student admitted to a graduate program, classification 5;
- **Special Non-Degree Seeking without Baccalaureate Degree**, classification 6;
- **Special Non-Degree Seeking with Baccalaureate Degree**, classification 7;
- **Provisional**, classification 8 (graduate students only);
- **Transient**, classification 9; and
- **High School Students**, classification 0.

Special (Non-Degree Seeking) Student Regulations

Academic rules governing regular students (e.g., fees, drop/add, withdrawal, grading policies) also apply to special students with the following exceptions:

1. Special students may enroll for fewer than twelve (12) semester hours (underload) without permission;
2. In place of the retention schedule system for regular students, special students in classification six (6) must meet the following requirements: after attempting fifteen (15) semester hours, undergraduate special students must have achieved and must maintain a 2.0 ("C") average in all courses attempted;
3. In place of the retention schedule system for regular students, special students in classification seven (7) must meet the following requirements: after attempting twelve (12) semester hours, graduate special 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;
5. Special students may register for any course or courses on an S/U basis. Special 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;
6. Work taken as a special student carries no degree credit. Students seeking reclassification from special student to regular student status should consult the "Admissions" chapter of this *General Bulletin*. Up to fifteen (15) semester credit hours earned as a special student may be applied toward an undergraduate degree with approval of the appropriate dean at the time of reclassification, or later.

Consult the "Academic Regulations and Procedures" chapter of the *Graduate Bulletin* for policies relating to special student status at the graduate level.

Course Loads

Florida State University regards fourteen (14) to fifteen (15) semester hours as a normal full-time load, and a student will not be considered full-time with fewer than twelve (12) semester hours. Students should take into account the requirement to take nine (9) semester hours of credit in the summer. A student who maintains a twelve (12) semester hour (low/normal) load will not graduate in four academic years unless a total of twenty-four (24) semester hours are taken during summer sessions.

A course load of more than eighteen (18) semester hours or less than twelve (12) 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 (21) semester hours. A student on academic probation must enroll for not fewer than twelve (12) and not more than fifteen (15) semester hours. Special students are not required to obtain an underload permit.

International undergraduate students must enroll in at least twelve (12) 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 International Center 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.internationalcenter.fsu.edu/>.

See the *Graduate Bulletin* for policies regarding course loads for graduate students.

Undergraduate Course Examinations

Final examinations in undergraduate courses are discretionary within any given department, but all students, including graduating seniors and graduate students, enrolled in an undergraduate course having a final examination are required to take the examination. The scheduling of a final examination, or a test in lieu of a final examination, at any time other than the regularly scheduled final examination period, is a violation of 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>.

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. 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 (3) 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.

Grading System

Definition	Grade	Quality Points Per Credit Hour
Excellent	A	4.00
	A–	3.75
	B+	3.25
Good	B	3.00
	B–	2.75
	C+	2.25
Average	C	2.00
	C–	1.75
	D+	1.25
Poor	D	1.00
	D–	0.75
	F	0.00
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 (12) 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 (12) 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 (18) 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.

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 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 *campus.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.” This may include excused absences from final examinations. Grades of “I” are not assigned to any courses if a student withdraws from the University. Unless the instructor notifies the Office of the University Registrar of an extension in time, an “I” or an “NG” not removed by the end of the next term in which the student is enrolled will be recorded as “IE” or “GE;” both “IE” and “GE” are computed as an “F” in the student's overall GPA. An “I” will be changed to a final grade at the time the student completes the required work. Students may not re-register for courses in which an incomplete grade (“I”) or no grade (“NG”) is pending. If they do so, the original “I” or “NG” will automatically be changed to “F.” This “F” grade is not repeatable and is so indicated on the student's permanent record. A grade of “I” or “NG” in a course that is approved for “S” or “U” grades only that is not removed by the end of the next term in which the student is enrolled will automatically become “U,” unless the instructor notifies the Office of the University Registrar that there is to be an extension of time.

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 head and the dean of the college.

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 Dean of the Faculties.

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 Dean of the Faculties regarding referral to the Student Academic Relations Committee.

Forgiveness Policy

Effective Fall 2004, Florida State University has discontinued the forgiveness policy for all students. Please refer to the ‘Drop /Add or Change of Schedule’ section in the ‘Office of The University Registrar’ chapter of this *General Bulletin* for additional information.

Academic Retention

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 course work 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 course work 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 (12) and not more than fifteen (15) 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 (60) semester hours.

Dismissal

The dismissed student must consult the student’s academic dean 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 degree from a Florida public postsecondary institution (or an accredited institution within or outside the state) with an overall college average of 2.0 or higher; or 3) extraordinary approval of the academic dean. 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.

Under option 2, students are guaranteed a maximum of sixty (60) semester hours and their Florida State University grade point average will start over upon readmission.

Grades earned at another institution cannot be used to improve Florida State University GPA. A student cannot raise the GPA by taking courses at another institution after receiving the associate in arts (AA) degree.

Credit hours earned during any period of dismissal cannot be applied to the minimum one hundred twenty (120) 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 are assured retention for their second term. Students may, however, be placed on academic probation at the end of the first enrolled term.

Graduate students should refer to ‘Suspension and Dismissal’ in the ‘Academic Regulations and Procedures’ chapter of the *Graduate Bulletin*.

Readmission

Please refer to the ‘Admissions’ chapter in this *General Bulletin* for readmission policies for returning students.

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 unusual circumstances and upon recommendation of 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 (25%) 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; special students must complete the original application process. Formal application must be made to the Office of Admissions by the published deadline. (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 an International Center adviser. In addition, international students should submit the SEVIS Update Form, available at <http://www.ic.fsu.edu/currentstudents/sevis.cfm>.

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 (3) or more times, subsequent readmission will 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 approved 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 contact Angelia Wood at 644-1624 or visit <http://withdrawal.fsu.edu/medical.html>

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.

FACTS Information

All current and prospective students of higher education in the state of Florida may access the FACTS (Florida Academic Counseling and Tracking for Students) Web site. By logging on to <http://www.facts.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
- Apply to more than one university or college by entering in your data just one time
- Get questions answered about financial aid
- Plan your course of study, 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

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, pre-requisites, etc., for that second major.

Correspondence Study

All correspondence instruction for the State of Florida, Division of Colleges and Universities, 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 credit correspondence courses, 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.

Experimental Undergraduate Programs

The Undergraduate Policy Committee is empowered to authorize substitution of experimental courses or programs for any University-wide academic requirements provided that:

1. No substitution continues for more than 18 months without full senate approval;
2. No student be enrolled in such an experimental program without the student's prior knowledge and consent; and
3. No requirement that a student has met by means of such an experimental program be affected, for that student, by subsequent decisions about the permanent status of the program in question, and that the Undergraduate Policy Committee and the Office of the University Registrar be empowered to institute appropriate means for designating and recording the use of such programs on individual students' records.

Transfer Credit

Transfer credit is normally allowed for courses completed at or through other regionally accredited institutions of higher learning. No credit, however, is allowed for subcollege-level course work, or for course work completed with grades below "D-," and only up to six (6) semester hours of technical or vocational credit may be approved by the baccalaureate academic dean toward the baccalaureate degree. Associate in arts (AA) degree recipients from Florida public institutions are guaranteed acceptance of at least sixty (60) semester hours of college credit toward the baccalaureate degree. The University does not accept experiential learning, or award credit for experiential learning. Transfer credit based on experiential learning from another institution will not be accepted.

Credit earned from Florida public institutions will be evaluated on the basis of the Common Course Numbering System. Those courses judged equivalent will be accepted for transfer credit. Courses are judged equivalent when the prefix and the last three numerical digits of the course number are the same. Thus, THE 1234 taken at one institution is equivalent to THE 3234 at another institution. Courses not judged equivalent may be accepted for transfer credit at the discretion of the baccalaureate academic dean.

All grades earned at other regionally accredited institutions are entered on a student's record at the time of transfer exactly as earned. Such grades are averaged separately from grades earned at Florida State University.

Students entering Florida State University without credit in college algebra will be required to take, or exempt, MAC 1105, MGF 1106, or MGF 1107.

Courses with the prefix "MGF" at or above the level of x106 will be accepted for transfer credit (hours allowed toward graduation). For students transferring from junior or senior institutions that stipulate the MGF course meets "Gordon Rule" requirements, the course will be accepted in partial fulfillment of Section 1007.25, Florida Statutes. (See the "Undergraduate Degree Requirements" chapter of this *General Bulletin*.) Students not needing another mathematics course for their major may use this as their second course; students needing more mathematics will follow Florida State University guidelines regarding their next course.

College work completed with satisfactory grades by a student at a regionally accredited institution of higher learning, prior to graduation from high school, will apply in the normal manner toward the baccalaureate degree at Florida State University. The Office of Admissions must be provided an official transcript of such work.

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*.

Graduate students should refer to the 'Transfer Credit' section in the "Graduate Degree Requirements" chapter of the *Graduate Bulletin*.

Credit for Nontraditional Courses, Including Short Courses

Nontraditional courses have many different purposes, including the recertification 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 (15) total contact hours; a two-hour course must have thirty (30) total contact hours; a three-hour course must have forty-five (45) 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 course work 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 course work. These programs permit the qualified student to earn by examination up to thirty (30) semester hours of credit toward liberal studies requirements and up to forty-five (45) 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 course work requirement of forty (40) 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 (3) 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 (45) semester hours of credit for scores of four (4) 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)

Students may earn credit in lieu of course work for CLEP. No credit will be awarded for a subject matter examination if the student has already earned any course credit in the subject area; e.g., a student may not earn credit in the American Government Examination if a course has been taken in college (junior or senior institution) in that area. Refer to the CLEP Table at the end of this chapter for college course equivalents and credits earned.

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 (3) 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 (3) 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 course work 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, Division of Colleges and Universities, 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 (30) 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. 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 (6) 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 10 years old they are subject to reevaluation by the appropriate dean before they can be applied toward graduation.

For credit limitations on graduate degrees, refer to the *Graduate Bulletin*.

AICE Scores and University Course Equivalents

(Numbers in parentheses indicate the number of credits awarded)

AICE Exam Names	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)
DESIGN and TECHNOLOGY	A-Level	CGS 2060 (3) CGS 1074 (3)
	AS-Level	ETI 1482C (3)
ECONOMICS	A-Level	ETI 1482C (3) ETI 1930 (3)
	AS-Level	ECO 2000 (3)
ENGLISH - LANGUAGE OR LANGUAGE & LITERATURE	A-Level	ECO 2013 (3) ECO 2023 (3)
	AS-Level	ENC 1101 (3)
ENGLISH - LITERATURE IN ENGLISH	AS-Level	ENC 1101 (3) or ENC 1102 (3)*
	A-Level	ENC 1101 (3) and ENC1102 (3)* or ENC 1102 and LIT 1005 (3)*
ENVIRONMENTAL MANAGEMENT	AS-Level	EVN 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
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)

* Based on previous credit earned.

AP Scores and University Course Equivalents

(Numbers in parentheses indicate the number of credits awarded)

AP Exam Names	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 (2)
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
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	GEO1331 (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 - VERGIL	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

* Based on previous credit earned.

CLEP Scores and University Course Equivalents

(Numbers in parentheses indicate the number of credits awarded)

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
Educational Psychology, Introduction to	EDP 1002 (3)	50
English Composition with Essay	ENC 1101 (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 1107 (3) or 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

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)	[62] FRE 1120 (4) FRE 1121 (4)	[66] FRE 1120 (4) FRE 1121 (4) FRE 2992 (4)
German	[50] GER 1120 (4)	[63] 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)

IB Scores and University Course Equivalents

(Numbers in parentheses indicate the number of credits awarded)

IB Exam Names	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 ENGINEERING	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 1331 (3) or EVR 1017 (3)	GEO 1331 (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 1331 (3)	GEO 1331 (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 & SOUTH-EAST 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) (No Direct Equivalent)	Elective Credit (6) (No Direct Equivalent)	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 (3)
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.

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

Associate Vice President for Student Affairs: Liz Maryanski

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 Leadership & Civic Education

Dean of Students Department

Greek Life

New Student and Family Programs

Student Disability Resource Center

Student Rights and Responsibilities

Victim Advocate Program

Withdrawal Services

International Center

Office of Multicultural Affairs

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

Thagard Student Health Center

University Counseling Center

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

Bicycle Parking

Parking and Bus Services

Postal Services

Public Safety

Radio and Television

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.

Career Center

The Career Center provides individualized career services to all students and alumni of Florida State University. At the heart of The Career Center is a comfortable library offering over 3,000 books, files, and computer resources that inform students' career decisions. Working in the library, Career Advisers and other staff help students solve a wide variety of career problems including choosing majors, researching occupations or 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 services designed to link students and employers. Those students needing career-related work experience can find internships, cooperative education, part-time/summer-time jobs, externships, and volunteer opportunities through SeminoleLink, a powerful online database. Students seeking full-time work can also use SeminoleLink or attend one of several career expositions to network and apply for thousands of 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.

The Career Center wants students to be as prepared as possible for today's competitive, global economy. To achieve this goal, the center offers SDS 3340, Introduction to Career Development, in which students can enroll for up to three (3) credit hours. Also, students in all academic disciplines can use the FSU Online Career Portfolio system that helps them document their experiences and skills for use in future job applications and interviews. Students can also improve their interview skills through mock interviews that are customized to their individual goals. Finally, the Career Center offers group workshops and personalized critiques on a variety of job search skills such as resume and cover letter writing.

Beginning in the Fall 2008 semester, The Career Center will relocate from *University Center A4100* to the new *Student Success Center* at the corner of *Woodward Avenue* and *Traditions Way*. Our general hours are 8:00 a.m.-5:00 p.m. (Monday - Friday). Drop-in career advising is also available most times during these hours and on some Tuesday evenings. For specific career advising hours or answers to other questions call, (850) 644-6431 or visit <http://www.career.fsu.edu>.

Child Care

FSU Child Development Programs (FSUCDP) provide, for a fee, care and educational experiences in three centers for a limited number of children, ages 6 weeks to 11 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 **Alumni Village Child Development Center**, located at 169 *Herlong Drive*, in the University's apartment housing area, 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. For Alumni Village residents only, a free after-school program operates from 3:30 p.m. to 5:15 p.m. For additional information, please call (850) 644-8305.

The **Educational Research Center for Child Development**, located at 370 *Hull 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 center also provides, for a fee, an educational program for children ages three to eleven years of age. The hours are 3:15 p.m. to 10:00 p.m. Monday through Thursday 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 8:30 a.m. to 4:30 p.m. Monday through Friday when classes at FSU are in session. For additional information, please call (850) 644-0003.

Leadership and Community Service

At Florida State University, leadership, community involvement, and civic responsibility are integral elements of a liberal arts education. **The Center for Leadership & Civic Education** enhances the education of students for responsible citizenship and effective leadership. The Center operates as a clearinghouse of service-related information, including a directory of service organizations in the community, a listing of **Service Learning** courses that feature community service components, and FSU student organizations that focus on community service.

The Center coordinates, advises, and supports many projects and programs related to service. Each February, the Center coordinates **Make A Difference Tallahassee**, a community-wide day of service. **ServScript** is a way FSU students can enhance their academic transcripts by documenting their service hours online.

The Center is home to **Youth Programs** and **Jumpstart** where FSU mentors can train to work with youth preschool-high school. The Center also coordinates weekly, student-led **Community Outreach Projects** that serve area non-profit agencies. The Center also houses several student service organizations.

Florida State University and the Center for Leadership & Civic Education host several statewide programs that promote student involvement in community service and civic responsibility in education. Statewide initiatives include the Florida Campus Compact, Florida Learn and Serve, and VISTA.

The Center is the home of the **Social Justice Living-Learning Community (SJLLC)** located in Wildwood Hall. The SJLLC is designed for freshmen of all majors who desire to understand and practice social justice. The **Service Leadership Seminar** is another opportunity for incoming freshmen. This three and a half-day seminar provides an opportunity to learn about community service and leadership at FSU. **LEAD Plans** are designed to develop Leaders Educated to make A Difference. As a result of completing a LEAD Plan, FSU students will learn the FSU leadership learning philosophy and resources of the Center. The Center also has an 18 credit hour **Certificate in Leadership Studies**—an undergraduate program that is interdisciplinary, multidimensional, experiential and multicultural. The certificate is offered through the Center and the Department of Educational Leadership and Policy Studies. Completion of the certificate will be acknowledged on recipient's academic transcript.

Lead-Ins at the Rez are overnight retreat style leadership learning experiences hosted by the Center and the FSU Reservation. Lead-Ins will focus on the development of leadership knowledge, skills, and values. Meals, lodging, and materials are provided free for participants. The Center also hosts **LeaderShape**, which occurs annually the first week of May. Students can also get involved in the **Noles Leadership Book Club** and **Serve2Learn Series** to learn more about leadership and service.

The University also recognizes outstanding service to the community through the **President's Humanitarian of the Year Award**. In addition, students are recognized for their service through the **Profiles of Service Award**, the **Service Scholar Program**, and the **Rosenbloom Scholarship**.

For more information contact The Center for Leadership & Civic Education, Division of Student Affairs, 909 Traditions Way, Tallahassee, FL 32306; (850) 644-3342; Fax (850) 644-3362; Web site: <http://www.thecenter.fsu.edu>; email: thecenter@admin.fsu.edu.

Assessment Services

For information concerning Assessment Services, please refer to the 'Academic and Professional Program Services' section in "The University" chapter of this *General Bulletin*.

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.

Students may use Students First kiosks to access a variety of information regarding their current status. The kiosks are available at University Center A, Leach Center, and at Thagard Student Health Center. Students can view their semester grades, unofficial transcripts, class schedules, and student account statements. They can also change their address, view the status of their financial aid disbursement, and make payments online. Please visit our Web site at <http://www.studentsfirst.fsu.edu>.

Seminole Dining

Seminole Dining offers a variety of dining options for students, faculty, staff and guests. Choose from national brand favorites Pollo Tropical, Einstein Bros. Bagels, Boar's Head Deli, Quiznos, Starbucks, or try FSU's own 24-hour Park Avenue Diner.

- **Residential Restaurants**—featuring unlimited servings of freshly made-to-order food.
 - **Figg Players Dining Hall**—University Center D
 - **Suwannee Room**—William Johnston Building between Bryan and Reynolds Hall
 - **Fresh Food Company**—between Stone Building and Salley Hall
- **Retail Locations**
 - **Einstein Bros. Bagels**—Oglesby Union
 - **ZIA Juice**—Oglesby Union
 - **Miso Sushi and Noodle Bar**—Oglesby Union
 - **Quiznos**—Oglesby Union
 - **Hardee's**—Oglesby Union
 - **Pollo Tropical**—Oglesby Union
 - **Park Avenue Diner**—Woodward and Traditions Way in Student Services Building
 - **Chili's**—Oglesby Union (Opening Spring 2008)
- **Convenience Stores**
 - **Trading Post**—Oglesby Union
 - **Boar's Head Deli & Convenience Store**—William Johnston Building
- **Starbucks**
 - **Wildwood and Woodward Avenue**
 - **FSU Bookstore**
 - **College of Medicine**
 - **Strozier Library**
 - **Barrister's Bistro**—College of Law

All dining locations accept cash, Garnet Bucks, Flex Bucks, Visa, MasterCard, and the FSUCard. Meal Memberships (prepaid amount of meals) are available at The Suwannee Room and Fresh Food Company. Visit the Customer Service Office to sign up for a Meal Membership 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.

Health Care

Thagard Student Health Center (TSHC) provides primary out-patient medical care to students and their dependents age 13 years and older. Currently enrolled, fee-paying students are not charged for illness or injury office visits. Additional services such as procedures, lab, Xray, pharmacy, and physical therapy are provided at less-than-market rates. Services include urgent care, general medical care, women's care, psychiatry, allergy clinic, immunizations, nutrition, health promotion, confidential HIV testing, lab, Xray, pharmacy, and physical therapy.

TSHC clinical staff includes board-certified physicians, psychiatrists, advanced registered nurse practitioners, registered nurses, pharmacists, and dietitians. The health center has more than 100 full-time employees and 50 part-time and student staff members.

All students must meet State Board of Education immunization requirements. Receipt of immunization documentation and health history forms must be completed prior to class registration.

Students interested in joining an organization that can make a difference should consider the Thagard peer health-educators. Students are trained in the areas of alcohol and drugs, nutrition and fitness, tobacco, sexual health, and minority health. They give health presentations, plan and host health awareness events, and assist in the development of Thagard's overall health outreach efforts. Students also can become nationally certified peer-health educators through affiliation with the BACCHUS Network, a university and community based network focusing on comprehensive health and safety initiatives.

All incoming fulltime students are required to have health insurance coverage. All non-United States citizens, regardless of visa status, must have appropriate health insurance as a condition of their admittance to Florida State University. Florida State University sponsors a reasonably priced policy that meets insurance requirements for both domestic and international students. All students are encouraged to visit our insurance office or Web site to obtain information about available policies. Medical care outside the health center facility is the financial responsibility of the student.

The TSHC **Health Promotion Department** is dedicated to assisting FSU students in making informed choices for their health and well-being through a number of individual and group-oriented services and programs, including environmental management, individual counseling, peer education, awareness activities, programming, and community outreach. Evidence-based and data-driven, the health promotion system of care supports health and wellness for all students on and off campus.

The Health Promotion Department provides educational materials and offers presentations upon request on a number of health related issues including tobacco, alcohol, sexual health, HIV/AIDS, nutrition, and stress. Professional staff and student peer educators also promote a number of national events such as the Great American Smokeout and National Collegiate Alcohol Awareness Week.

Thagard's Health Promotion department also includes the Partnership for Alcohol Responsibility (PAR) as one of its substance abuse prevention programs. PAR is a coalition of stakeholders involved in improving the campus and community influences on underage and high-risk alcohol use. The FSU Vice President for Student Affairs and the Chief of the Tallahassee Police Department co-chair the coalition. Activities include increasing the number of alcohol-free options for students, changing community norms that promote high-risk alcohol use, reducing access and availability of alcohol to students, eliminating irresponsible alcohol marketing and promotions, and developing and enforcing effective policies. All students are encouraged to visit the Thagard Student Health Center Web site at <http://www.tshc.fsu.edu> for more complete information, or call (850) 644-6230.

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, short-term individual counseling, unlimited group therapy, crisis intervention, consultation, and referrals. In addition, life skills workshops on stress management, time management, and study skills are offered several times a semester.

Outreach presentations on mental-health topics are available to faculty, staff, residence halls, and student organizations. Those interested can complete the online request form at www.counseling.fsu.edu. The UCC is a sponsor of Safe Zone, an ally organization for lesbian, gay, bisexual and transgender individuals. The UCC also sponsors **RENEW (Realizing Everyone's Need for Emotional Wellness)**, a peer educator organization whose mission is the promotion of emotional-health and coping skills to FSU students.

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. 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.

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 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*.

International Center

The **International Center (IC)**, a department under the Division of Student Affairs, is the office assigned by the University to provide comprehensive immigration services and advising to international students, scholars, faculty and staff. The International Center is certified by the federal government's Student and Exchange Visitor Program. It is also designated by the US Department of State as an Exchange Visitor Program Sponsor, enabling the University to bring in international students, scholars, and researchers. The International Center plays a key role in campus internationalization efforts by providing opportunities for interaction and learning between international and domestic populations through the following:

- Participation in the design, implementation, and coordination of the **Global Pathways Certificate**, which will be available for undergraduates beginning fall 2008. The certificate will provide students the opportunity to develop intercultural and global competencies through a combination of courses and international and intercultural experiences.
- Coordination and implementation of exchange agreements between FSU and partner universities from around the world to increase international opportunities for FSU students and increase the international diversity of the FSU campus.
- Coordination of cultural exchange and special programs that provide students with short-term, rich, cultural learning experiences through immersion in target cultures. The **Beyond Borders Exchange Program** has three active exchanges that promote leadership, learning and service in partner universities in Jamaica, Germany, and Costa Rica. The IC has also set up special summer programs, which bring in groups of international undergraduates for short-term, intensive courses at FSU followed by five-month internships at Walt Disney World®.
- Facilitation of outreach programs promoting cross-cultural sharing and development of cultural competencies on campus and in the community.
- Facilitation of workshops and programs designed to meet the needs of international students and of university support staff who provide service to the international population.

The International Center is located at 945 Learning Way. Call (850) 644-1702 or visit <http://ic.fsu.edu> for information.

Center for Academic Retention and Enhancement (CARE)

Florida State University is committed to recruiting, retaining, and graduating first generation college students who demonstrate a strong potential for success but who may otherwise not have the opportunity to attend college due to economic, educational, or cultural circumstances. The Center for Academic Retention and Enhancement was established to help fulfill these goals.

The **Center for Academic Retention and Enhancement (CARE)** administers the **CARE Summer Bridge Program**, as well as the federally funded Student Support Services Program, which assists low-income students with special academic and personal support services. Florida State University's pre-collegiate programs, including the **Upward Bound Program** and the **College Reach Out Program** are administered through this 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.

College Programs

The **Student Support Services Program (SSSP)** is a federal TRIO grant program that provides opportunities for academic development and assists FSU students by motivating them to successfully complete their post-secondary education. The goal of SSSP is to increase the college retention rate and graduation rates of its participants and to facilitate the process of transition from one level of higher education to the next. The program is limited to undergraduate students from low socio-economic backgrounds.

Pre-Collegiate Programs

College Reach Out Program is a state-funded program established to identify, motivate, and prepare disadvantaged middle and high school students to pursue post-secondary education. This program serves students in selected area middle and high schools.

University Experience Program is a two-week summer residential program designed to give selected disadvantaged high school juniors and seniors an opportunity to gain exposure to college life. Students receive verbal and math

skills instruction in preparation for the Scholastic Achievement Test (SAT), which they take at the beginning and end of the program. They also participate in cultural enrichment and leadership activities.

Upward Bound Program (located at East Gadsden High School in Quincy, Florida) is a federally-funded program that serves high school students from low socio-economic backgrounds. The UBP staff helps students develop academic skills and encourages them to complete high school and continue their formal education at the college or university of their choice.

Parking and Bus Services

The **Office of Parking and 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 24 hours a day. Temporary permits are distributed, when needed, by Parking Services located at *University Center C5400*, 7:30 a.m. to 4:30 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. Students with valid IDs may ride the Free Fare buses on StarMetro (city of Tallahassee public transportation) 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 (30) 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 (30) 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 Parking and Transportation, UCC 5406, Tallahassee, FL 32306-2532*.

Postal Services

All United States Postal Services, except COD, are available at the **University Post Office**. Residence hall students are assigned post office box numbers with their room assignments. All students holding University Post Office boxes should notify the University Post Office of any change of address when leaving campus. The service window is open from 8:30 am to 4:30 pm for package pick-up, (850) 644-1498.

The **Union Copy Center** provides the following services: facsimile service, color copies, self-service copiers, quick copy service, personalized greeting cards, calendars, and specialty papers. The Union Copy Center is located across from the University Post Office in the student union, (850) 644-2895.

Public Safety

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. Police operations provide motor vehicle, bicycle, and foot patrol of the campus 24

hours daily. The campus police department, comprising 62 sworn law enforcement officers, promotes campus safety by presenting public safety programs in classes, residence halls, and Greek and scholarship houses. The department also 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://www.police.fsu.edu/pdf/SafetyGuide.pdf>.

Student Government's newest affiliated project is the **Bicycle/Pedestrian Program**. Its purpose is to improve bicycling and walking conditions on campus. The program will sponsor a Bike and Pedestrian Safety Week, register bikes with Florida State University Police, and promote environmentally safe transportation options for students. The office is located at *A3909 Oglesby Union*; (850) 644-2925.

SAFE Connection provides several free services to all FSU students and faculty. SAFE Connection escorts students to and from all areas on campus and selected off campus locations. SAFE Connection hours of operation are from dark until 3:00 a.m. Please don't drink and drive; call 644-SAFE and let SAFE Connection get you home safely.

The **Blue Light Trail**, comprising over 317 strategically placed poles with emergency call boxes and blue signal lights, provides areas of safety and enables FSU Police to find callers quickly and easily; additional blue lights currently are under construction as part of ongoing renovation and new 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.

Radio and Television

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

Students at Florida State University interested in a career in broadcasting are encouraged to participate in the stations' 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.

WVFS 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, 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. WVFS also airs a wide array of specialty shows and news 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 WVFS. 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. WVFS recruits for all positions three times a year, always during the first week of each semester; listen to 89.7 FM for details.

The FSU **Video Center** maintains Seminole Cable Vision Channel 17, the Student Government 24 hour Movie Channel. The center also provides VCRs and video cameras for student use, but these must be reserved. The center is

always looking for new talent or for anyone interested in learning about its production assistant program. No experience is necessary. (850) 644-1800; Movie Request Line (850) 644-1888.

Recreation and Sports

The **Campus Recreation Office** encourages students, faculty, and staff to be involved in recreational sports through its intramural, extramural, aquatic, fitness, challenge ropes, and outdoor pursuits programs. On-campus recreational facilities are located primarily in the **Bobby E. Leach Recreation Center**. The center offers basketball, racquetball, and squash courts; a swimming complex; a jogging track; whirlpools and sauna; and a health bar. Several weight-training and multipurpose fitness rooms are furnished with state-of-the-art equipment. Nearby, students have access to intramural fields, an outdoor track, and tennis courts. Recreational swimming, water safety, and other first aid and safety non-credit courses are offered year around at the Leach pool. The Rec SportsPlex Intramural facility on Tyson Road provides over 104 acres of outdoor sports fields and green space. For complete information on all Campus Recreation offerings, see <http://fsu.campusrec.com>.

The **Seminole Reservation**, a 73-acre lakefront recreational facility, is located within five miles of the main campus. Here students may swim, picnic, and kayak. Students may rent sailboats, kayaks, or canoes and take lessons offered throughout the year. A challenge ropes course is provided for team building and leadership training. The Reservation has a conference center and limited overnight space available for meetings and retreats for faculty, staff, and students.

The **Intramural (IM) Office** is a resource for over 50 intramural programs. Separate divisions for various ability levels keep competition fair and fun. Intramural activities are offered at the campus fields and also at the Rec SportsPlex facility. Coed programs and recreational divisions are designed for those who enjoy sport as a social activity. The office also hires students to officiate and to supervise intramural games.

Extramural sport clubs, more highly structured than intramural teams, compete with clubs from other universities. See <http://fsu.campusrec.com/sportclubs> for a list of clubs.

Through **Outdoor Pursuits**, students can snow ski, camp, canoe, white water raft, or be otherwise active in the outdoors. Trips, scheduled throughout the year, are open to students and the community.

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 4300A University Center, call (850) 644-2428, (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 issues of disability-related access. The SDRC also provides academic support services such as extra time on exams, tutors, 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>.

Office of New Student & Family Programs

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 members—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. The Office of Orientation 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.nsf.fsu.edu>.

The **Office of Greek Life** advises and advocates for 27 fraternities, 22 sororities, the Interfraternity Council (IFC), the Multicultural Greek Council (MGC), the National Pan-Hellenic Council (NPHC), and the Panhellenic Association. Fraternities and sororities at Florida State University provide students with an opportunity to establish a sense of 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, 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 form a semester of enrollment. For more information call (850) 644-9555 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 when school is in session to respond to those Florida State University students who are victimized, and to any person victimized on Florida State University campus. The services offered include emotional support, 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.

Student Government

The **Student Government Association (SGA)** is the student's voice at Florida State University. SGA allocates approximately \$10.2 million of activity and service fees. These funds support the Leach Center, Oglesby Union, activities of the Student Senate and 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 205 OGC.

The **Congress of Graduate Students (COGS)** is the elected representative body of all post-baccalaureate, graduate, professional, and doctoral students at the University. COGS is the unified voice and advocate for all graduate-related matters. It also offers travel grants to graduate students, funds computer labs for students, funds graduate organizations, and sponsors a variety of programs. For further information, call (850) 644-7166 or stop by 242 SLB.

The **Alumni Village Child Development Center** provides day care for Florida State University students and faculty with children between the ages of 2 and 5. The center is also an excellent source for work experience in early childhood development and observational research. Phone: (850) 644-8305.

The **Starlight Child Care Center** provides after school child care for Florida State University students and faculty with children between the ages of 3-12. The center is open daily from 3:15 to 10:15 p.m. Work study and practicum students are always welcome. The Center is in the Educational Research Center for Child Development located at 370 Hull Drive; phone: (850) 644-1013.

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 a post office, copy shop, computer store and service center, 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. Students and organizations may reserve space by stopping by the Guest Services office in the Krentzman Lounge of the the Oglesby Union, by contacting them online at <http://unionreservations.fsu.edu> or by phone at (850) 644-6083.

The **Student Activities Center (SAC)**, located on the third floor of the Oglesby Union, Activities Building, serves over 450 recognized student organizations. The SAC contains Student Organization Services (SOS), Union Productions (UP), Market Wednesdays and Special Event Planning (SEP). The Student Activities Center provides resources for students including copying, faxing, storage space, campus mailboxes, and meeting space.

Students who participate in **Union Productions** provide leadership and direction in all facets of social, cultural, and educational programming. Students gain experience in booking events, marketing and advertising, hospitality, staffing large shows, and a variety of leadership skills. Union Productions sponsors a variety of programs 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 Student Life Cinema. While at the ASLC, check out the Cyber Café where you can enjoy video and computer gaming or get a drink and treat at Reel Coffee. The Congress of Graduate Students (COGS), the National Pan-Hellenic Council (NPHC), University Housing, and the 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, spread sawdust, and string lights. Any FSU student can join!

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.

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

Office of Veterans' Affairs

The **Office of Veterans' Affairs** serves veterans and their dependents by providing information about work-study employment and referrals to counseling, medical, and other community resources. The Office of Veterans' Affairs is located within the Office of the University Registrar.

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: Helen M. Burke; **Associate Director:** Danyele Martin;
Assistant Directors: Jeanette Adams Dümmer, Margaret R. Allen

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, that 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 (18) 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). 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 25 students each. Honors seminars are three (3) semester hour special topics courses that count toward graduation and fulfill liberal studies and Gordon Rule requirements in the humanities (HUM 2937r), natural sciences (ISC 2937r), or social sciences (ISS 2937r). Seminars are typically limited to 15 honors students.

University Honors Colloquium. The University Honors Colloquium is required for honors students during their first Fall semester at Florida State University. This one (1) semester hour 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.

Honors Medallion Requirements. A minimum of nine (9) semester hours of honors course work (including honors sections of regular courses, honors seminars, the honors colloquium, and honors-augmented courses) is required to earn the Honors Medallion. A student may complete the remainder of the eighteen (18) semester hours of honors credit required for the medallion through any combination of further honors course work, honors directed individual study (DIS), honors in the major work (also known as honors thesis), and non-credit project activities (research, creative activity, or community service) approved

by the Director of the University Honors Office. 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 DIS. A student begins enrolling for an honors DIS by registering for a graded DIS in the appropriate department. Next, the student requests honors credit for the DIS from the Director of the University Honors Office. This request is made using the honors DIS application available from the University Honors Office, or from the University Honors Program Online Organization Blackboard, which is part of the University's online learning Web site, <http://campus.fsu.edu>. The application must be submitted to the University Honors Office by the first day of the semester for which the DIS will be registered. The Director of the University Honors Office will decide whether to accept or deny the application for honors credit based on the content of the application. The honors DIS is intended to be a project that meets the following five (5) standards:

1. The work must demonstrate intellectual initiative;
2. The work must demonstrate engagement with the scholarship in the subject of the DIS, whether the work of the DIS is research, creative activity, or community service;
3. The DIS must be graded;
4. The DIS must be directed by a permanent member of the teaching faculty. An assistant, associate, or full professor would qualify; and
5. The DIS must involve at least thirty (30) hours of work for each credit hour awarded.

Progress toward the Honors Medallion through Honors in the Major. Students may use credits earned in the Honors in the Major Program toward the Honors Medallion. The Honors in the Major Program is described below.

Progress toward the Honors Medallion through Non-credit Honors Project Activities. The Director of the University Honors Office may allow a student to earn progress toward the Honors Medallion with project work that does not involve registration for formal academic credits. This request is made using the honors non-credit project application available from the University Honors Program Blackboard. The application must be submitted to the University Honors Office by the first day of the semester in which the non-credit project will be done. The Director of the University Honors Office will accept or deny the application for progress toward the Honors Medallion credit based on the content of the application. Progress toward the Honors Medallion can be granted for a non-credit project that meets the following four (4) standards:

1. The work must demonstrate intellectual initiative;
2. The work must demonstrate engagement with the scholarship in the subject of the project, whether the work of the project is research, creative activity, or community service;
3. The project must be directed by a permanent member of the teaching faculty. An assistant, associate, or full professor would qualify; and
4. The project must involve at least thirty (30) hours of work for each credit hour-equivalent of progress allowed toward the Honors Medallion.

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 admissions process. There is no separate application form for the Honors Program. Letters of invitation are sent out within two weeks of admission to the university.

Students who receive a letter of invitation generally meet the following minimum criteria:

- 3.90 or higher FSU-weighted high school GPA (as calculated by FSU's Office of Admissions) AND
- 1300 or higher SAT score OR
- 29 or higher ACT score.

In their letter of invitation, students will be given a password to access the on-line Acceptance Form and an individualized acceptance deadline. To retain a place in the program, students must complete and submit the Acceptance Form by the deadline date on their invitation letter.

Admission by Petition. Students who are accepted to Florida State University but do not receive a letter of invitation may petition for admission to the Honors Program by submitting a petition portfolio. Successful applicants generally meet at least two of the following three requirements, though meeting these requirements alone does not guarantee admission:

- 3.7 or higher FSU-weighted high school GPA (as calculated by FSU's Office of Admissions)
- A qualifying test score, which may be either 1260 on the SAT or 28 on the ACT
- Class rank in the top ten percent of their high school graduating class

Lateral 3.80 GPA Admission. Any incoming freshman student who was not admitted to the Honors Program through the standard admission process but achieves at least a 3.80 GPA on twelve (12) or more graded hours of course work during their first Fall semester at the University is eligible for admission to the honors program, effective the following Spring.

Note: Students who meet this requirement must contact the University Honors Office no later than the drop-add period during the Spring semester.

Retention

Students must enroll in and pass the University Honors Colloquium during their first Fall semester in the University Honors Program. In addition, students must maintain at least a 3.20 cumulative GPA and make progress toward completion of the program.

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, an honors-only residence; however, honors students are not required to live on campus. Students wishing to live in Landis Hall must submit a separate housing application listing this residence as their preference. General residence hall assignment is determined on a first-come, first-served basis; residence hall preference 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.

Acceptance into the University Honors Program does not guarantee University housing in Landis 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 offer 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. The goal of the program is the completion and defense of an honors thesis. Completion of the Honors in the Major Program is recognized by the distinction of graduating "with Honors," as designated 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. The Honors thesis project culminates with the thesis defense before the honors thesis committee. Web site: <http://honorsinthemajor.fsu.edu>.

Eligibility

The University Honors Office requires that prospective students have at least sixty (60) semester hours and at least a 3.20 cumulative GPA. Transfer students must have a 3.20 overall GPA, including all transfer work, and a 3.20 GPA on at least twelve (12) Florida State University semester hours. Students should note that they may choose not to count credits that are five (5) or more years old, as long as the most recent sixty (60) semester hours average 3.20 GPA. Since some departments set higher requirements, students interested in the Honors in the Major Program should also check with their academic major advisers.

The semester before starting the Honors in the Major Program, students must contact the University Honors Office to make 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>.

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; and
- 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; and
- Participating in the thesis defense.

Completion of the Honors Thesis

Typically, each student in the program works on the thesis project for two (2) or three (3) semesters. During each of these semesters, the student must enroll using the appropriate academic department's course for honors thesis credit for one (1) to three (3) semester hours. Students must earn a total of six (6) to nine (9) honors thesis credits and must receive at least a "B–" in each of these courses. A student who does not have six (6) credit hours of work graded "B–" or better will not be eligible for program completion and graduating with Honors. Students must also maintain at least a 3.20 cumulative GPA until graduation. Several departments have additional requirements; students should contact the academic department in which the thesis work will be based for further information.

A prospectus is due to the University Honors Office during the semester before the thesis is completed. 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.

The student defends the finished 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 Friday before finals week of the defense semester. Further details and specific deadlines are available from the University Honors Office or at the Honors in the Major Blackboard organization site at <http://campus.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.

Honors 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 (20%) of their class scholastically;
 - B. Undergraduates must have earned at least sixty (60) semester hours, with at least twenty-four (24) graded semester hours at this institution; and
 - C. Graduate and professional students must have earned at least twenty-four (24) graded semester hours at this institution.
- II. Lower-division Societies
 - A. Must be in the top twenty percent (20%) of their class scholastically;
 - B. Must have earned at least twelve (12) 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 (12) 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 in the liberal arts and sciences. The society was formed in 1776. The Florida State University chapter, chartered in 1934 and established in 1935, was the first in Florida. The chapter's activities include recognition of outstanding juniors and graduating seniors and sponsorship of visiting speakers of University-wide interest. New members are automatically invited each fall and spring based on major, grades (minimum 3.9 GPA for juniors and 3.6 GPA for seniors), language study, and other criteria.

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 (7.5%) of their respective colleges. Seniors must be in the upper ten percent (10%) of their respective colleges. Graduate and professional students must rank in the upper ten percent

(10%) of their respective college. All students must have at least twenty-four (24) earned semester hours at Florida State University. For information, call (850) 644-2451/644-0387 or e-mail lmahler@admin.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 sixty (60) semester hours (twenty-five [25] of which must be at Florida State University) and in the top fifteen percent (15%) of the junior, senior, or graduate class.

Phi Eta Sigma is a national honor society whose goal is to encourage and reward academic excellence among first year students in institutions of higher learning. The oldest and largest freshman honor society, Phi Eta Sigma was founded in 1923 and now has over 350 chapters throughout the United States with over 900,000 members. Established at FSU in 1955, our undergraduate and graduate members may apply for national scholarships of \$1,000-\$10,000. Full-time students who have a cumulative grade point average (GPA) of at least 3.5 at the end of any curricular period during their first year in college are eligible for lifetime membership, which is conferred upon induction. The Florida State University chapter participates in various optional activities, which have included leadership workshops, community service activities, and peer advising. Selected members represent FSU at the bi-annual national conference. For information, call (850) 644-7424 or e-mail PhiEtaSigma@admin.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) 644-0639 or e-mail bmoeller@admin.fsu.edu.

Leadership/Scholastic Societies

The **W.E.B. Du Bois Honor Society**, organized 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 19th and 20th centuries. The purpose of the Du Bois Society is to recognize academic excellence among African-American students and to support, guide, and encourage their involvement in other leadership and honorary organizations at Florida State University. The grades of all full-time African-American undergraduate students will be automatically reviewed for eligibility each fall. If eligible, students will be invited to join the society. To qualify, candidates must have achieved a 3.3 cumulative GPA at Florida State University and must have earned at least thirty (30) semester hours at this University. Transfer students and seniors will be considered for eligibility on an individual basis. For more information, contact the *Undergraduate Studies Dean's Office, A3300 University Center, Tallahassee, FL 32306-2460* or call (850) 644-2740 or e-mail dubois_hs@yahoo.com

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 a homecoming awards breakfast or banquet honoring outstanding Florida State University alumni and participation in Leadership Awards Night and in 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.

Mortar Board is a national honor society for college seniors. The national organization was founded in 1918 and the Florida State University chapter in 1931. Each year Mortar Board sponsors activities to provide service, advance the spirit of scholarship, and facilitate cooperation among honor societies. Every spring, juniors in the upper thirty-five percent (35%) of their class are invited to apply. Members are selected on the basis of scholarship, leadership, and service.

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 twelve (12) semester hours at that campus with a GPA of 3.5 or higher.

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 of Hispanic heritage 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, A3300 University Center, Tallahassee, FL 32306-2460* or call (850) 644-2740.

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://www.garnetandgoldkey.com>.

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, go to <http://undergrad.fsu.edu/PTK/>.

Academic Honor Societies Specific to Certain Disciplines

College of Arts and Sciences

Anthropology students are eligible to join **Pi Gamma Mu**. See "College of Social Sciences" below.

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 faculty supervisors who support undergraduate research and publication.

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, slide presentations, movies, translation contests in Greek and Latin, and tours. New members are invited twice a year, based on a "B" average in Greek and Latin courses.

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). Undergraduate computer science majors must have completed sixty-four (64) semester hours of study, including eighteen (18) semester hours in computer science, and have at least a 3.2 GPA overall and within the major. Graduate students in computer science must have been in residence at FSU at least one semester and have completed at least one-half of the number of semester hours of graduate work required for the master's degree with a GPA of at least 3.5. For more information, visit <http://upe.acm.org/>

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 (60) 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 (12) semester hours in history with a 3.2 GPA and a 3.0 overall GPA. Graduate students need twelve (12) 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.

Chi Epsilon Pi is the honor society for outstanding students in the **Department of Meteorology**. The Florida State University chapter has existed since 1966. In order to be eligible for membership, graduate students must have at least nine (9) 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 Department of Meteorology. Undergraduate students are eligible upon completion of at least seventeen (17) graded semester hours of meteorology coursework at 2000 level or higher, and must have at least a 3.25 GPA in all 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 Department of Meteorology. Other criteria exist for special students. Students are inducted each spring.

The **Department of Military Science** fosters a chapter of the national organization **Scabbard and Blade**. The chapter participates in various civic and Reserve Officer Training Corps (ROTC) activities. Invitations are extended once a year based on membership in the Advanced ROTC Program, a "B" average, and standing in the top fifty percent (50%) of ROTC students. Initiation includes a service project.

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 members must have a 3.0 GPA overall and in French classes, with at least one French class on the 3000 level. The French faculty are all members of the society. 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.

German. Delta Phi Alpha has had a chapter at the University since 1979. New members may apply once a semester. Minimum requirements include a 3.5 GPA in German and a 3.0 overall GPA, plus three (3) German courses completed or in progress with an "A-" average.

Italian. Gamma Kappa Alpha was organized in 1983; the University chapter followed in 1984. New members are invited each spring. Membership is open to undergraduate Italian majors with a minimum 3.0 GPA overall and 3.5 in Italian.

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 "B+" average and an overall "B" average.

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 (35%) of their class. Applicants must complete nine (9) 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.

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 invited once a year, chosen from among physics majors who have at least a "B" average in physics as seniors or advanced juniors.

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 concentrated on activities that help majors with their future plans. Students may apply for membership twice a year. Psychology majors or minors must have completed twelve (12) semester hours of psychology with a minimum 3.2 overall GPA and a 3.2 psychology GPA.

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.

Beta Alpha Psi is the national scholastic and professional society of the **Department of Accounting**; the University chapter was established in 1962. The society 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 accounting, finance, and management information systems majors, both undergraduate and graduate, who are currently enrolled or have completed at least one accounting course and have met grade point requirements in accounting, and overall, may apply for membership. New members are initiated in the Fall and Spring semesters.

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 3.00 overall GPA are invited to apply at the beginning of each semester.

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.

College of Communication

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 or communication disorders major; to have completed at least fifteen (15) semester hours in communication and sixty (60) 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 (6) semester hours, and no unsatisfactory grades (U). New members are invited at the beginning of each Fall and Spring semester.

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 3.0 overall GPA and a 3.2 GPA in their major courses. Students must also rank in the top thirty-five percent (35%) of their class and have completed a minimum of four (4) courses within the criminology and criminal justice curriculum. The society is open to students with a declared criminology and criminal justice major or minor.

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 (12) 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.

Phi 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.

Rho Phi Lambda is the national honorary fraternity for the recreation, park, and leisure services profession. The original Rho Phi Alpha honorary fraternity was founded at North Carolina State College in 1958. In 1985, the eleven chapters of Sigma Lambda Sigma honorary fraternity (originally founded at Florida State University in the 1960s) were merged with the six original Rho Phi Alpha Chapters to become Rho Phi Lambda. The society now maintains over 30 chapters throughout the United States. Membership is based on outstanding scholarship, leadership in service to the community and to the University, and service to the profession.

College of Engineering

Tau Beta Pi, the College of Engineering's most prestigious honor society, was formed in 1985 as the Engineering Honor Society. It was chartered and installed at the FAMU-FSU College of Engineering on February 29, 1992 as the Florida Eta Chapter of Tau Beta Pi. The Tau Beta Pi Honor Society recognizes outstanding scholarship and exemplary character, with emphasis on community service and upholding the engineering canon of ethics. New mem-

bers are invited twice a year to join Tau Beta Pi based on academic standards and exemplary character. New members must be in the upper one-fifth of all engineering seniors or upper one-eighth of engineering juniors.

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 (60) semester hours (at least fifteen [15] of which were completed at Florida State University in a major within the College of Human Sciences) with a minimum 3.3 GPA. Graduate students must have at least twelve (12) semester hours that were completed at Florida State University in a major within the College of Human Sciences with a minimum 3.5 GPA. 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 (90) or more semester hours (at least thirty [30] hours at Florida State University and twenty [20] since declaring a major in the College of Human Sciences), a minimum GPA of 3.3 and evidence of leadership and service. Graduate students at the MS level must have completed at least two (2) semesters of course work as a major in the college, and PhD students are required to have completed at least four (4) semesters in the college. For graduate students, a minimum GPA of 3.8 is required in addition to evidence of leadership and service. New members are inducted once per year.

College of Information

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 College of Information at Florida State University. Every year graduating students from member schools and departments of Library and Information Studies who have earned at least a 3.75 GPA and who rank in the top twenty-five (25%) of their graduating class are invited to join Beta Phi Mu.

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 (10%) 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 (10%) of the class; seniors, in the top twenty percent (20%); 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 (35%) 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

Pi Gamma Mu is open to students in anthropology, Asian studies, economics, geography, history, international affairs, political science, public administration, Russian and East European studies, social science, sociology, and urban and regional planning. The University chapter was founded in 1975. Students must have a minimum of twenty (20) 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 (35%) of their classes. Prospective members are also expected to have extracurricular activities related to the social sciences.

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 (12) 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 (1) semester of graduate work with at least a 3.0 GPA. Applicants from all majors are welcome.

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 (3) courses, and must have completed at least three (3) semesters of college course work.

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 (12) 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 (21) 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 (12) 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 (1) semester of graduate work with at least a 3.0 GPA.

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 (9) semester hours of social work courses. Graduate students must have a 3.5 overall GPA with nine (9) semester hours completed in social work.

COLLEGE OF ARTS AND SCIENCES

Dean: Joseph Travis; **Associate Deans:** Lois Hawkes, Sam Huckaba, Joseph McElrath, Joseph F. Owens III.

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 and mathematics; history; the humanities; and the physical, biological, 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 1911, 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), 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 (52) or more semester hours of accepted credit. Successful CLAST completion (or exemption) is also required. Admission to the College of Arts and Sciences requires at least a 2.0 grade point average (GPA) in prior academic work and that the student be in good standing within the University. Since individual departments may stipulate higher admission standards, students should consult the appropriate chapters of this *General Bulletin* for specific requirements.

Students enrolled in the College of Arts and Sciences may concurrently prepare for, and become certified in, various professional programs. This is made possible by the cooperation of professional schools within the University with various College of Arts and Sciences departments that have established programs with special emphasis in certain professional areas.

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 course work through the 2000 level (2200 or equivalent course) of a classical or modern foreign language. Those with a 2.5 GPA may take these courses on a satisfactory/unsatisfactory (S/U) basis, so long as they meet the University deadline for declaring this intention. A student taking course work to fulfill the college's foreign language requirement must earn at least a "C-." Hours used to fulfill the foreign language requirement may not be counted toward a major or a minor. For exceptions to this policy, students should contact the College of Arts and Sciences. Native speakers of another language and other students who wish to demonstrate proficiency by means other than course work should consult the Department of Modern Languages and Linguistics.

Please note that the college's classical or modern foreign language 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 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.

Beginning Fall 2002, 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.

Florida State University does not currently offer modern foreign language or classical language instruction at the Panama City campus. Therefore, students pursuing BA or BS degrees in the College of Arts and Sciences at the Panama City campus may count as part of their sixty (60) semester hours of senior institution work a maximum of twelve (12) semester hours of courses taken at Gulf Coast Community College, Pensacola Junior College, Okaloosa-Walton Community College, or Chipola Junior College to satisfy the language requirement. These hours will count toward the sixty (60) semester hours only if they are taken subsequent to the students' upper-division enrollment at the Panama City campus.

Minor. Most majors in the College of Arts and Sciences also require a completed minor. Exceptions include secondary science/math teaching, humanities, foreign language/business, English/business majors, Middle Eastern studies, and certain science programs with collateral minors. Students completing a double major do not have to complete a minor. Students pursuing two degrees (dual certificate 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 (12) semester hours, others require as many as eighteen (18) semester hours. No courses used for satisfying liberal studies requirements or a major 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 their departmental adviser.

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 (4) semester hours of these liberal studies courses may also be counted toward the major requirements.

Second Baccalaureate Degree or Dual Certificate

A student completing a second bachelor's degree in the College of Arts and Sciences must complete at least thirty (30) semester hours, and a minor, 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), the Arts and Sciences Liberal Studies requirements, and demonstrate satisfaction of the College of Arts and Sciences foreign language requirement.

Note: To distinguish between second baccalaureates and second majors, see the appropriate paragraph under "Undergraduate Degree Requirements" in this *General Bulletin*.

Departments

Humanities Area	Science Area
Classics	Anthropology
English	Biological Sciences
History	Chemistry and Biochemistry
Humanities	Computer Science
Modern Languages	Geological Sciences
Philosophy	Mathematics
Religion	Meteorology
	Oceanography
	Physics
	Psychology
	Statistics

COLLEGE OF BUSINESS

Dean: Caryn Beck-Dudley; **Associate Deans:** Joe D. Icerman, Bruce T. Lamont

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 is one of a select group of business programs in the country fully accredited by AACSB-International. This accreditation includes all undergraduate and graduate programs in business and separate accreditation of the programs in accounting.

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 and national 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 business faculty. Faculty members throughout the several business disciplines 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. Business students have strong analytical and communicative aptitudes and have a spirit of enterprise and creativity. The interaction of these students with highly qualified business faculty, coupled with well-designed business 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 college offers 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 Management (MSM), Master of Science in Management Information Systems (MSMIS), 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.

At the undergraduate level, students may major in accounting, entrepreneurship and small business management, finance, hospitality management, human resource management, management, management information systems, marketing, multinational business operations, professional golf management, real estate, or risk management and insurance. Students may also pursue a double major by satisfying the requirements of each curriculum.

The Master of Business Administration (MBA) program is a twelve-month program designed for students who have an undergraduate business degree (or who have completed a specific set of prerequisite business courses). 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 program begins once each year in the Spring term. Students are encouraged to have at least two years of work experience prior to entering the MBA program. The part-time MBA program is also offered online for students outside the Tallahassee area. The online MBA program begins each fall.

The Master of Accounting (MAcc) program is designed to allow the student to concentrate 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.

The Master of Science in Management program (MSM) 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 (MSMIS) 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 doctoral program in business is to prepare students for careers in university teaching and research, as well as for selected administrative and research positions in industry and government. Students receive the doctor of philosophy in business administration and concentrate in one of the following: accounting, finance, management information systems, organizational behavior and theory, strategic management, marketing, or risk management and insurance.

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.

Facilities

The **Charles A. Rovetta Business Building** is ideally located near the center of campus adjacent to Stroz 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 **Business Placement Center** assists students in their employment search with services ranging from resume preparation to on-campus interviews with potential employers. 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 satellite 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.

Opportunities

The College of Business programs are designed to provide high-quality business education to its students. This goal is accomplished through the following instructional objectives:

1. The curriculum instills in students a sense of ethical values and an appreciation of their responsibility for contributing to the continuing advancement of our culture and for dealing with emerging societal problems;

2. The curriculum provides a thorough understanding of the methods of analysis used in identifying and solving the more difficult intellectual problems met by professionals and/or managers who are involved in policy-making;
3. The curriculum develops within students a spirit of enterprise based on imaginative and creative ability so that they will be willing to venture into new business and organizational activities and to initiate new concepts of management; and
4. The curriculum increases students' abilities to communicate ideas clearly and to appraise critically both written and spoken discourse and offers opportunities for in-depth study in the areas of the behavioral, quantitative, and information sciences.

Using these objectives as its guide, the College of Business has created an active, stimulating learning environment for both students and faculty. As part of this environment, students participate in independent study, research, laboratory experimentation, field experience, discourse, and scholarly writing.

Scholarships/Awards

Faculty

The College of Business possesses several eminent scholar chairs and numerous professorships. These prestigious faculty positions are occupied by outstanding scholars in various disciplines of business. 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 these limited access programs. All majors in the College of Business have the admission requirements listed below.

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. Electives taken in the first two years, after fulfilling general education requirements and the prerequisite courses for business, should be in areas such as English, communication, social sciences, humanities, and analytical reasoning.

Admission Requirements

Admission to the limited access programs in the College of Business is based on availability of faculty and space by discipline. 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.

In order to be eligible for admission to one of the limited access programs in the College of Business, the student must complete the following requirements:

1. Must have completed at least fifty-two (52) acceptable semester hours;
2. Must have compiled the required GPA (based on all attempted course work 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 all the State of Florida Common Course Prerequisites for Business Programs listed below except for ACG X071. All business students, except accounting majors, must complete ACG X071 prior to graduation, but not necessarily prior to admission to one of the limited access programs. Accounting majors at Florida State University are not required to complete ACG X071 and may only take MAC X233.

State of Florida Common Course Prerequisites

1. ACG X021 or ACG X001 and ACG X011;
2. ACG X071 (not required of students majoring in accounting at Florida State University);
3. CGS X100*/or CGS X100C*;
4. ECO X013;
5. ECO X023;
6. MAC X233 or MAC X230;
7. STA X023 or STA X122 or QMB X100.

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Course Requirements

All undergraduate business 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 business; 3) the general business core requirements; 4) the general business breadth requirements; and 5) the major area requirements for their chosen major.

General Business Core Requirements

All business students (except accounting majors, see note below) 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).

Note: *BUL 3310 is not required of accounting majors; accounting majors must complete BUL 3330 with a grade of "C-" or better as part of their major area requirements.

General Business Breadth Requirements

All business students must complete five (5) of the following courses. The specific courses that must be completed to meet general business breadth requirements vary by major. Please refer to the appropriate departmental chapters of this *General Bulletin* to aid in selecting specific courses to meet these requirements for each major. 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 major area requirements.

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	3504	Services Operations Management (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).
REE	3043	Real Estate (3).
RMI	3011	Risk Management/Insurance (3).

Major Area Requirements

Students must meet the major area requirements for their chosen major. These requirements are described in the appropriate departmental chapter of this *General Bulletin*. Students may major in:

- Accounting
- Entrepreneurship and Small Business Management
- Finance
- Hospitality Management
- General Management (see Department of Management)
- Human Resource Management (see Department of Management)
- Management Information Systems
- Multinational Business Operations
- Marketing
- Professional Golf Management (see Dedman School of Hospitality)
- Real Estate (see Department of Risk Management/Insurance and Real Estate)
- Risk Management and Insurance

Academic Policies

1. Students are required to meet College of Business 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 2008, but not in sufficient time to meet publication deadlines, will be effective Fall 2008. Students can receive information on these changes in the undergraduate programs office of the College of Business.
3. All students must complete an official pregraduation 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 at the Office of the University Registrar during the first two weeks of the semester in which they plan to graduate.
5. A minimum of thirty (30) semester hours of the general business and major area requirements must be taken at Florida State University.
6. 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 Dean of the College of Business. In evaluating this transfer credit, emphasis will be given to courses taken at other AACSB-International accredited business programs.
7. Students are not allowed duplicate credit hours for courses repeated in which they have made a "D" or better.
8. The only College of Business courses 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 who are majoring in areas outside the College of Business and are 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.

COLLEGE OF COMMUNICATION

Dean: John K. Mayo; **Associate Dean (Academic Affairs):** Gary R. Heald;
Assistant Dean (Student Affairs): Barbara C. Robinson

American society is enmeshed in an all-encompassing and ever-expanding web of human and technological channels of communication. People encounter the changing terminology and technology of communication on a daily basis. The definition of the complex and ever-changing world of communication, the explanation of its assorted functions, and the understanding of its multitude of effects underlie the teaching, research, and service missions of the College of Communication at Florida State University.

The roles of the College of Communication are: 1) to study the human communication process in all its ramifications through basic and applied research; 2) to transmit the knowledge thus acquired through undergraduate and graduate teaching; and 3) to serve the University, the state, the nation, and the world by applying its expertise to the solutions of human and institutional communication problems.

The college offers a unique and integrated series of communication degree programs at the undergraduate level. The curriculum covers the whole of human communication (both normal and disordered), speech and interpersonal communication, group and organizational communication, as well as mass-mediated and interactive, computer-based communication.

The College of Communication offers both academically, and professionally-oriented courses of study. Each curricular sequence integrates knowledge about human communication from a variety of scientific, humanistic, and artistic perspectives, as well as business, government, and other professional orientations.

The interests and activities of the College of Communication are extensive. Faculty members from the college serve as officers in professional and academic societies and associations. A series of journal publications, books, convention papers, and monographs have established a number of faculty as leaders in their respective fields.

Undergraduate Degree Programs

Programs of study leading to the bachelor of arts (BA) and bachelor of science (BS) degrees are offered through the Department of Communication Disorders and the Department of Communication. Each major within the college 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. See department entries in this *General Bulletin* and the college Web site, <http://www.comm.fsu.edu>, for specific information regarding departmental application requirements. 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 departments identified above. (See departmental 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.

Requirements for the Second Baccalaureate Degree (Dual Certificate)

A student completing a second bachelor's degree in the College of Communication must complete at least thirty (30) 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

Both Communication and Communication Disorders 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 (12) 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.

Graduate Degree Programs

Students making application for admission to one of the departmental graduate programs must also apply through the University Office of Admissions see <http://admissions.fsu.edu> for more information.

Communication Disorders

Programs of study leading to the Master of Science, Master of Arts, Advanced Master's, and Doctor of Philosophy degrees in the Department of Communication Disorders are described in the *Graduate Bulletin* and on the college Web site, <http://www.comm.fsu.edu>.

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 college Web site, <http://www.comm.fsu.edu>, for complete descriptions).

Research and Service Facilities

The College of Communication offers students enriched learning experiences through a variety of teaching, research, and/or service opportunities, including:

The communication science laboratories provide facilities for the study of physical and psychological aspects of sound, speech, voice, and language. The **Speech and Voice Science Laboratory** has specialized equipment enabling analyses of duration, intensity, spectral, and fundamental frequency aspects of speech. Instrumentation and procedures for the forensic study of speech enable the detection of signals of noise and speaker identification from recorded speech samples. Computer-interfaced instrumentation is available for measuring vocal intensity and pitch, aeromechanical aspects of voice and resonance, and physiological functioning of respiration and the vocal apparatus. The **Emerging Language Laboratory** includes equipment for recording, editing, and analyzing audio and video samples of speech and language discourse and social interactions. On-site recording facilities accommodate small groups of children and children with their parents. Portable equipment is available for field recordings. Software programs for analyzing language samples and summarizing results are available. The **Adult Language Laboratory** provides facilities for the study of social and communication problems associated with acquired brain injury and illness in adults. These facilities are equipped with evaluation instruments and materials, audio/video equipment, and computers to facilitate data analysis.

The **Speech and Swallowing Laboratory** includes instrumentation to study the physiology/kinesiology of the speech/swallowing mechanism. Measurement techniques include surface electromyography, acoustic measures, and measures of strength and endurance. Work in this laboratory is designed to develop or refine techniques for the evaluation and treatment of individuals with speech and swallowing impairments.

The **Augmentative and Alternative Communication Laboratory** provides student clinicians with opportunities to learn about the evaluation and treatment of children and adults with severe communication disorders. The facility includes dedicated electronic communication devices with voice output, switches, keyboards, software programs, and other computer-based systems.

The **Language and Literacy Lab** has tests and materials available for assessing language and literacy development. Audio-video equipment, computers, and software are available for the development and evaluation of curriculum materials in the lab and in the field. Wireless headphone systems allow multiple instructional lessons to be delivered simultaneously in classrooms in investigations of vocabulary, phonological awareness, and phonics instruction.

The **Neurolinguistic-Neurocognitive Research Center** is an interdisciplinary laboratory located in the Rehabilitation Center of Tallahassee Memorial HealthCare. A wide array of equipment and software is available to measure

cognition and language. A GaitRite system assesses 30 parameters of gait in studies of the effects of cognitive load on posture, gait, and balance. A Biopac system is used to measure a variety of physiological parameters including EEG, EMG, EKG, respiratory, and cardiac function.

Teaching Facilities

Seminole Productions is the Department of Communication's video production unit. Seminole Productions provides a variety of services to other campus departments. One major client is the athletic department. Seminole Productions also produces the weekly University sports highlight show, *Seminole Uprising*, which reaches over two million households in Florida via the Sunshine Network. Students have numerous opportunities to become involved with Seminole Productions.

The Production Center houses a variety of equipment and facilities: a fully equipped television studio; video-editing suites in several formats; field production cameras and recorders in each of those formats; computerized on and off-line editing, digital video effects, and computer animation capabilities; non-linear editing; and on-site engineering and management support. The facility was designed around the principle that students need maximum exposure to the equipment to develop the competency required in media production fields.

The Interactive Communication Computer Lab facilities are used for instruction and for the production of multimedia products. The mission of the program is to provide training and real-world experience to students in the Department of Communication. In fulfillment of this mission, the graduate program actively seeks partnerships with corporations, government agencies, and other organizations interested in developing products and services that use technology in innovative ways to meet specific information, communication, and educational needs. The graduate curriculum provides instruction in the integration of new communication technologies, e-commerce, social, organizational, and educational arenas. Building on a solid base of research in communication and interactivity, students learn how to analyze problems and present practical solutions.

WVFS-FM (V-89) is Florida State University's student-operated college radio station. Communication students work at V-89 for college credit and are responsible for programming, announcing, news and sports coverage, and all other station operations. V-89 is "the Voice of Florida State," providing campus information and alternative music programming. V-89 has been the recipient of several national programming awards and is now available on the World Wide Web through streaming video at <http://www.wvfs.fsu.edu>.

The **L. L. Schendel Speech and Hearing Clinic** is the primary teaching laboratory for students enrolled in the communication disorders master's degree programs. This 40-room facility is the central focus of learning and service activity. Videotape laboratories, diagnostic audiology instrumentation, sound isolation rooms, electronic communication devices, and a complement of other clinical resources serve the program's needs for clinical management and instruction.

The College of Communication maintains six fully-equipped computer laboratories. While some labs serve specific program areas, others are available for general instruction and research. The labs are equipped with a full complement of personal computers and laser printers, all of which are connected to the college's network. Connectivity to the network allows faculty and students to share data and collaborate on projects.

The labs' personal computers include a full array of commercial software for word processing, spreadsheet development, database management, and academic applications for statistical and content analysis. Some of the labs serving the Department of Communication include hardware and software for fully integrated desktop publishing and video applications. The Department of Communication Disorders offers labs equipped with hardware and software for language sample analysis, instructional material development, and desktop publishing. Certain labs also include hardware and software for nonlinear video editing.

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 criminal justice 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, certificates are available in corrections, law enforcement, and security administration. A certificate in underwater crime scene investigation is available at the Panama City campus. 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*. Successful completion of the CLAST is also necessary. 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 and criminal justice must make a grade of "C" or better in the three (3) core courses and maintain a major GPA of 2.0. A student who has accumulated three (3) 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 CCJ3011 and CCJ4700 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 (4) 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 and Criminal Justice

To major in criminology and criminal justice, a student must complete thirty-six (36) semester hours in criminology and criminal justice coursework, including three (3) core courses. The three (3) 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 (15 semester hour) internship is available. If a student chooses to take the internship, only three (3) of the fifteen (15) semester hours will count toward the required thirty-six (36) hours in the major. Students in the major are required to complete a minor or second major in another department or program outside the College of Criminology and Criminal Justice, and to meet all requirements stipulated by the respective department or program.

For students transferring from another four-year university, at least twenty-seven (27) semester hours must be earned at Florida State University in the College of Criminology and Criminal Justice; the University requires that the last thirty (30) 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 (52) semester hours in criminology and criminal justice, computer science and mathematics. Students must complete twenty-four (24) hours in criminology and criminal justice and twenty-five (25) hours in computer science coursework, including eight (8) core courses. The required core courses from criminology and criminal justice are CCJ 3011, CCJ 4700, CJE 4610 and CJL 4064. The required core courses from computer science are CDA 3100, COP 3014, COP 3353, COP 3330. A total of six (6) hours of capstone coursework representing criminology and criminal justice and computer science is required. Students must also complete three (3) hours of Discrete Math (MAD 2104), with MAC 1105 and MAC 1140 as prerequisites. From an approved list, students must choose nine (9) additional hours in criminology and criminal justice and twelve (12) additional hours in computer science coursework. Students must earn a grade of "C" or better in 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 (30) 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 2020, CCJ 3634, CCJ 3666, CCJ 4010, CCJ 4209, CCJ 4610, CCJ 4816, CJE 3110, CJL 3510, CDA 4503, CIS 4360, CIS 4361, CIS 4407, COP 4342, COP 4530, COP 4610, COP 4710.

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) and have satisfied the CLAST requirement. 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 and criminal justice may be obtained upon completion of four (4) classes. Introduction to Criminal Justice (CCJ 2020) and nine (9) additional semester hours in criminology and criminal justice are required for a total of twelve (12) 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 four certificate programs: corrections, law enforcement, security administration, and underwater crime scene investigation (UCSI offered at the Panama City campus only).

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 (12) semester hours of graduate coursework (with the permission of the appropriate instructor). These twelve (12) 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 (90) semester hours of undergraduate coursework;
2. Have a minimum GPA of 3.25;
3. Be a major/double major in the College;
4. 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.

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 3.0 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 4 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 on-line application can be found at criminology.fsu.edu/scholarships. A committee appointed by the Dean selects the recipients.

Undergraduate scholarships and awards include: **Frank A. and Lynn W. Baker, Jerry A. and Carolyn S. Glass, Kelley R. Ivey, Ernest Kearns Ponce De Leon, Relgalf, James C. Sweat, and Rob Williams**. In addition, the **Robert L. Clark Memorial Award** and the **Joe Harris Memorial Award** 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 P. Driscoll; **Associate Dean for Administration & Research:** David Foulk; **Associate Dean for Academic Affairs:** Lynn A. Wicker.

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 the 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 and 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 13 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, and Teacher Preparation Programs

Department of Educational Leadership and Policy Studies

Undergraduate Certificate in Leadership Studies

School of Teacher Education

Early Childhood Education

Education of Students with Exceptionalities

Elementary Education

English Education

Middle Grades Mathematics Education

Secondary Mathematics Education

Rehabilitation Services

Science Education (Concentrations in Biology, Chemistry, Earth-Space Science, Middle Grades Science, and Physics)

Social Science Education

Visual Disabilities Education

Professional Training Option (for Non-Majors in the Middle and Secondary Subject Areas)

Department of Sport Management, Recreation Management, and Physical Education

Physical Education

Recreation and Leisure Services Administration

Sport Management

Undergraduate Coaching Specialization (Certificate)

Admissions Standards for University Teacher Education 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 Teacher Education 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 Teacher Education 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*)

Family and Consumer Sciences Education (College of Human Sciences)

Interdisciplinary Secondary Science and/or Mathematics Teaching (College of Arts and Sciences)

Music Education (College of Music)

Teacher 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 Course Prerequisites

The State of Florida has identified common course prerequisites for 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.**

The following lists the common prerequisites or their substitutions necessary for admission into upper-division teacher education degree programs:

Education Core Prerequisites

1. EDF X005
2. EDG X701
3. EME 2040

In addition to EDG X701, the student must take six (6) 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. 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 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.

Criteria for Admission and Application to a Teacher Education 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 CLAST (exemptions not acceptable), or 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, 108 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; and,
6. Be admitted to Teacher Education, a Florida Department of Education status requirement recognizing candidate eligibility for certification (application available in 108 Stone Building); and,
7. Receive final approval by the Office of Academic Services and Intern Support.

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 (30) 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; and,
3. A series of clinical experiences in diverse settings throughout the program that culminates with a full-time student teaching experience of at least 10 weeks duration in an approved setting.

Note: Students should consult with a program adviser for specific course requirements.

Program Completion Requirements for Teacher Candidates

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 course work (some programs may require a higher GPA);
2. Demonstrate achievement of standards and completion of specific course work 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 Skills, Subject Area portions of the Florida Teacher Certification Exam (FTCE) prior to completion of program requirements;
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 majoring in the middle and secondary education content areas such as English, mathematics, the pure sciences, and the social sciences. If the student is considering Alternative Certification as a post-baccalaureate career option, completion of the PTO provides fifteen (15) 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 6 through 12) certification areas. The PTO is constituted as a 15-hour “minor” with five courses offered by the School of Teacher Education:

1. EDF4430, Classroom Assessments (3)
2. EDF4210, Educational Psychology: Developing Learners (3)
3. RED4335, Content Area Reading for Secondary School Teachers (3)
4. LAE4930r, Special Topics: General Teaching Methods (3)
5. LAE4930r, Special Topics: Specialized Teaching Methods (3)

Note: The ‘Special Topics’ designation for the two LAE courses above; no substitutions are permitted. Successful completion of the PTO requires grades of “C” or better in each required course AND, as a co-requisite, conferral of the Bachelor’s degree from Florida State University.

Permission to register for individual courses in the PTO should be obtained from the Instructor and his/her respective department. Availability of seats is limited and academic departments reserve the right to restrict methods and pedagogy courses to students formally admitted students in their respective programs. Be advised that the College makes no commitment as to the rotation and availability of individual courses in the PTO, and, as such, cannot guarantee that any student who has begun course work in the PTO will necessarily be allowed to complete it. To be recognized as a completer of the state-approved Professional Training Option and receive the concordant transcript statement, students must apply in person, no later than the tenth week of the semester, to the Office of Academic Services and Intern Support (OASIS), 108 Stone Building. OASIS will verify student credentials for the PTO at that time and communicate to the University Registrar the student’s eligibility to receive the ‘Statement of PTO Completion’ on his or her final transcript.

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 re-admission 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; and, (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 Student Teaching 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 plan-

ning 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 family and consumer sciences will also be concentrated in those counties listed but may be placed in additional locations should program certification requirements so dictate.

Placement Locations

- **Area I:** Gadsden, Jefferson, Leon, Madison, Taylor, and Wakulla counties.
- **Area II:** Bay, Calhoun, 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:** Brevard, Orange, Seminole, Lake, and Volusia counties.
- **Area IV:** Hillsborough, Manatee, Pasco, Pinellas, Polk, and Sarasota counties.
- **Area V:** Broward, Dade, and Palm Beach counties.
- 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.

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, fingerprinting, drug testing, and background checks may be required for placement in some counties.**

Application to Student Teaching

An application to student teaching must be submitted to OASIS, 108 Stone Building, according to the following schedule:

Spring Semester	3rd Monday of September (preceding Fall term)
Fall Semester	2nd Monday of February (preceding Spring term)

Note: Application materials are available only online at <http://www.coe.fsu.edu/oce/stforms.html>. In addition, 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 subject area specialization and professional education coursework outlined above under 'Subject Area Specialization/Professional Education/Clinical Experience Curricula' prior to student teaching;
4. Achievement of an overall GPA of 2.5 in all upper-division course work (a higher GPA may be required by some academic programs for particular core courses);
5. Achievement of senior status; and,
6. Successful completion of specific clinical experiences as required by the program or University (see <http://www.coe.fsu.edu/OCE/future.html>).

FAMU-FSU COLLEGE OF ENGINEERING

Dean: Ching-Jen Chen; **Associate Deans:** Reginald Perry, Norman Thagard; **Assistant Dean:** Braketta Ritzenhaller; **Director of Student Services:** Sheldon White

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 (BS) degree or an advanced research-oriented graduate program leading to the Master of Science (MS) or Doctor of Philosophy (PhD) 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 (BS), the master of science (MS), and doctor of philosophy (PhD) 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. The college also offers interdisciplinary specializations in bioengineering, biomedical, environmental, and materials engineering. More complete information can be found at the College Web site (<http://www.eng.fsu.edu/>) and in the department sections of this *General Bulletin*.

Facilities

The college occupies over 200,000 square feet of classroom, offices, and laboratory space in a building complex especially designed for engineering education. It is located off the main campus of each university in an area adjacent to Innovation Park, which also houses the **National High Magnetic Field Laboratory (NHMFL)**, the **Center for Advanced Power Systems**, and other university, public, and private organizations engaged in research, development, and clean industry operations. The college operates for the common use of all programs a computing facility, a library and reading room, and a machine shop. In addition, each department in the college operates specialized laboratories for teaching and research; please refer to each department's chapter for additional information on these specialized facilities.

Libraries

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 college also maintains an engineering library resource and reading room (also referred to as the engineering reading room or the college library) that functions as a satellite to the two university libraries relative to engineering needs. Collections at the college library include monographs, texts, and reference works that directly support instruction and research at the college. Library computer facilities enable extensive electronic literature search throughout the university libraries and other sources. Library services include literature search training sessions for students and faculty. The college library is headed by a full-time librarian who is also a staff member of one of the two university libraries. Other college library personnel include assistants supported by the college.

Computing Facilities

Students have access to many and 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 2800 computing devices connected to its local network, managed by the college's Communication and Multimedia Services (CMS) unit. Over 230 of these machines for general student use are high-end Pentium-class workstations supported by a cluster of Sun servers backed by a Storage Area Network. CMS continues to evaluate and upgrade computer workstation hardware as the computational needs grow. Computers connect to the college's gigabit fiber-optic backbone via 100Mbps Ethernet connections. One of the computer labs is open 24 hours a day when classes are in session; the other three are used as classrooms. The college also provides computing facilities in the public areas that are available to students 24 hours a day, 365 days a year. Additionally, both universities provide on-campus facilities that are available to all students. Available software includes major general-purpose packages as well as special applications oriented toward particular disciplines. The college's research labs contain dozens of machines clustered together to provide enhanced research capabilities as well as Sun and other servers and Linux-based computing clusters to perform complex number crunching for simulations.

The college's computing infrastructure uses a gigabit core Layer 3 switch 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 new LambdaRail network. Florida A&M University's computing facilities also are connected to the Tallahassee MAN, thus providing a link to the college for its students.

In addition to local Ethernet network, the college provides wireless LAN services with access points throughout the facilities 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, 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. A two-way live videoconferencing link via dedicated Fractional T-1 to the FSU-Panama City campus provides interactivity to synchronous distance delivery of classes to those students.

A Real Video G2 server is used to stream live and recorded programs, classes, and events from the college. The PolyCom VS4000 provides for 4-point IP videoconferences.

Supporting Facilities

Other nearby resources include the School of Computational Science (SCS); the Office of Technology Integration (OTI); the National High Magnetic Field Laboratory (the ‘Mag Lab’); the Center for Advanced Power Systems (CAPS); the Challenger Learning Center in downtown Tallahassee that houses a 3-D IMAX theatre, planetarium, and a Challenger Space Mission and Control Center; Northwest Regional Data Center (NWRDC); Florida Department of Transportation research facilities; and 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/index.php?page=schol_main.

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, and 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.

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. In accordance with criteria of ABET, Inc. (the recognized accreditor for college and university programs in applied science, computing, engineering, and technology), 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 have been established to ensure that program graduates receive a quality education, make progress toward satisfying engineering major degree requirements, and are reviewed and revised as needed by the College of Engineering.

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. A grade of “C” or better in EGN 1004L, First Year Engineering Laboratory (1 hour). One repeat attempt is permitted. A student who needs more than one repeated attempt will not be allowed to continue in the engineering program. A transfer student may be eligible for an exemption of this requirement provided the student has completed requirement (2) listed below upon matriculation to the College of Engineering.
2. Students must achieve a grade of “C” or better in Calculus I, Calculus II, General Chemistry I, and General Physics from any institution attended. Chemical engineering students shall replace General Physics I with General Chemistry II. A single repeated attempt in only **one** of the four (4) courses listed above with no more than one grade of “C–” is allowed. Any student who needs two repeated attempts to complete the four courses or has two or more grades of “C–” may be considered for continuation in engineering. Contact the Office of the Associate Dean

for details. Any student who needs three or more repeated attempts to complete the four courses listed above does not satisfy this requirement and will not be allowed to continue in the engineering program.

3. Once a pre-engineering student satisfies all the pre-engineering requirements, he/she may visit the Office of Associate Dean 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 (1) such course; and
3. A student who is failing a course cannot receive a grade of Incomplete (I). The student 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 the engineering dean and Council of Academic Program Coordinators (CAPS).

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 Academic Program Coordinators

The College of Engineering Council of Academic Program Coordinators (CAPC) has been assigned the responsibility to ensure that these academic requirements are equitably and consistently applied to all engineering students.

Course Withdrawal/Drop Policy

1. Engineering students who seek to withdraw from or drop a course should do so by the drop deadline established by the College of Engineering. Please note that the engineering drop deadline is generally several weeks **before** the university’s late course-drop deadline. Engineering students will not be permitted to drop or withdraw from a course after the engineering deadline except for a medical emergency, military obligation, or administrative reason.
2. An engineering student with excessive course withdrawals/drops may be transferred from his/her current engineering major to the pre-engineering major until he/she has met with an academic adviser to determine what steps are needed to improve his/her academic performance. The student may be reinstated back to his/her original engineering major only upon the approval of his/her academic department, the engineering dean, and the Council of Academic Program Coordinators (CAPS).

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 course work. To be admitted to an engineering major, transfer students must have satisfied the same pre-engineering requirements as students who take all their course work at FSU. Students are advised to consult with the College as early as possible concerning their first two years of study. Students who transfer out of engineering program and then desire to transfer back 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 (BS) degree in four years

and one summer with an average load of sixteen (16) 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 additional summer session.

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 (36) semester hours required in liberal studies, thirteen (13) of these semester hours are automatically satisfied by the engineering core courses listed herein. The engineering student must take a total of twenty-four (24) 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 course work preparatory to calculus. All prospective engineering students should select humanities and social science courses to meet the above requirements.

First-Year Engineering Laboratory

All engineering students must complete the one-hour laboratory (or its equivalent) EGN 1004L. Students who enter the engineering program having completed all of the requirements listed under "Pre-engineering Requirements" except for completion of EGN 1004L may receive a waiver of this requirement if they attend the New Engineering Student Orientation. Students who are pursuing a second baccalaureate degree in engineering may also receive a waiver with permission of the engineering dean. Any student who transfers out of engineering and then desires to transfer back to engineering must complete the course or its equivalent.

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 Course Prerequisites

The State of Florida has identified common course prerequisites for engineering degree programs. These prerequisites are lower-level courses that are required for preparation for an engineering major prior to a student receiving a

baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for our engineering degree programs:

- ENC X101
- ENC X102
- MAC X311*
- MAC X312*
- MAC X313*
- MAC X302
- CHM X045/X045L**
- PHY X048/X048L
- PHY X049/X049L
- Six (6) semester hours of humanities
- Six (6) semester hours of social sciences
- Three (3) additional semester hours in humanities or social sciences
 - * or MAC X281, MAC X282, MAC X283
 - ** or CHS X440

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; PHY 2048. Corequisite: EEL 3003L. This course is an introduction to electrical engineering concepts for non-electrical engineering majors. It covers a broad range of topics, including basic circuit theory, semiconductor devices, microprocessors, instrumentation amplifiers, and machines.

EEL 3003L. Introduction to Electrical Engineering Laboratory (1). Prerequisites: MAC 2312; PHY 2048. Corequisite: EEL 3003. Laboratory in support of 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. Course topics include 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, impulse and momentum methods.

EGN 1004L. First Year Engineering Laboratory (1). 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). Prerequisite: MAC 2311. 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. An emphasis on 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: MAC 2312; PHY 2049. An introduction to engineering thermodynamics; basic concepts, properties of pure substances, work and heat; first and second laws of thermodynamics, closed and open systems, formulations, engineering applications.

COLLEGE OF HUMAN SCIENCES

Dean: Billie Collier; **Associate Deans:** Jodee Dorsey, Mary Ann Moore; **Mack and Effie Campbell Tyner Eminent Scholars:** Konrad Bloch (deceased), John Kinsella (deceased), 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, master's, and doctoral programs in three academic departments: family and child sciences; nutrition, food, and exercise sciences; and textiles and consumer sciences.

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 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 family and consumer sciences education program accredited by the National Council for Accreditation of Teacher Education (NCATE), 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, and a Certification in Family Life Education approved by the National Council on Family Relations.

The college has an Eminent Scholar in Family and Child Sciences. The Family Institute, which is housed in the College of Human Sciences, includes the Center for Family Services; the Center for Marriage and Family Therapy; and the Inter-University Center for Child, Family and Community Studies.

Facilities

Special laboratories that enhance and enrich the student's education include: the historic clothing and textile laboratory, which houses the Carter Collection of Peruvian Textiles and the most extensive collection of accessories and children's and women's wear in the Southeast; the computer-aided design laboratory; the Macy's Merchandising Laboratory; chemical, analytical, clinical, and microbiological laboratories for food and nutrition science majors; off-campus child development observation laboratories; the exercise physiology laboratory for monitoring the effect of exercise on metabolism, functionality, autonomic control, and aerobic performance; the textile evaluation laboratory; and a state-of-the-art multimedia laboratory.

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 child development and athletic training. Internships are an integral part of degree programs in merchandising and family and consumer sciences education. 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
- Family and Consumer Sciences Education
- Human Sciences with a major in General Human 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 Textiles and Consumer Sciences

Clothing, Textiles and Merchandising with majors in:

- Apparel Design and Technology
- Merchandising
- Textiles

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 (3) 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 (9) 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 (2) 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 and a passing score on the CLAST exam. 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, and CHD 2220 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 Textiles and Consumer Sciences, specified courses for the majors of apparel design and technology, merchandising, and textiles must be completed with at least a grade of “C–” or higher (see department listing). For merchandising majors, ACG 2021 must also be completed with at least a “C–” or better.

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 2.5 in major courses to graduate; students majoring in general human sciences must have a minimum overall GPA of 2.5 in major courses and the college core 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 FSU overall GPA of 2.5 or better to graduate.
- For the Department of Textiles and Consumer Sciences, students majoring in apparel design and technology, merchandising, or textiles must achieve a “C–” or better in all other required courses and have an FSU overall GPA of 2.5 or better to take senior level courses, to intern, and to graduate.

COLLEGE OF INFORMATION

Dean: Larry Dennis; **Associate Deans:** Robert Brooks, Corinne Jörgensen

In the emerging connected society, information and information technology are ubiquitous and influence almost all forms of human activity. Modern IT professionals use information and technology to support the goals and cultures of the people and organizations they serve. The College of Information's Bachelor of Science in information technology (IT) program prepares 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 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 BS in IT program is a forty-two (42) semester hour program, offering multiple concentrations such as the ones in information systems and services or in information organization and communication. The program requires four (4) foundation courses, two (2) introductory courses, two (2) capstone courses, and six (6) concentration and elective courses. Students can focus on topics such as databases, networking, security, Web development and administration, information architecture, project management, and usability.

The demand for IT professionals continues to grow. The Bachelor of Science in IT offered by the College of Information 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.

In addition to the BS in information technology, the College of Information offers a Master of Science (MS) degree in library and information studies, a specialist (S) degree, and a Doctor of Philosophy (PhD) degree.

The College of Information was established in 1947 as a professional school and is one of the top-ranked programs in the nation. The master's degree program is accredited by the American Library Association, and the college is a member of the Association for Library and Information Science Education.

Requirements for All Incoming Students

All new main campus undergraduate students who enter the College of Information are required to provide their own laptop computer and the appropriate software. Specific information may be found on the college's Web site at <http://ci.fsu.edu/>.

Requirements for a Major

Students are eligible to major in information technology after completing a program of liberal studies with an overall grade point average (GPA) of 2.0 or better. All students of Florida State University must fulfill the Liberal Studies Program requirements set forth in the "Undergraduate Degree Requirements" chapter of the *General Bulletin*.

Transfer students who have earned an Associate of Arts (AA) degree from a Florida public community college or state university will be considered to have met the liberal studies requirement.

Program Prerequisites are:

STA	2122	Introduction to Applied Statistics
ECO	2013	Principles of Macroeconomics
PSY	2012	General Psychology
CGS	XXXX	A database concepts course
COP	XXXX	A programming course
COP	XXXX	An object-oriented course
MAC	XXXX	Precalculus or Discrete Mathematics
PHI	XXXX	A general ethics course

For additional information concerning undergraduate degree programs, please refer to the college's Web site at <http://ci.fsu.edu/>.

Core Program

To major in information technology, a student must complete a minimum of forty-two (42) semester hours in information technology including the six (6) core and two (2) capstone courses:

LIS	3021	Technical Communication for the Information Professional
LIS	3201	Research and Data Analysis for Information Professionals
LIS	3267	Information Science
LIS	3353	Technologies for Information Services
LIS	3706	Information Systems and Services
LIS	3784	Information Organization and Communication
LIS	4708	Perspectives on Information Technology
LIS	4910	Information Technology Project

Note: All courses must be completed with a minimum grade of "C-."

Requirements for a Minor

With the approval of the academic dean of the College of Information, a minor in information technology may be obtained upon completion of at least four (4) of the six (6) core courses (LIS 3021, LIS 3201, LIS 3267, LIS 3353, LIS 3706, and LIS 3784). All courses must be completed with a minimum grade of "C-."

Facilities

The College of Information resides in the Louis Shores Building, which houses classrooms, computer laboratories, and administrative offices. The **New Technology (NT) Laboratory** includes small-scale Local Area Networks, experimental servers, digital video equipment, and other cutting-edge technology. It provides students an opportunity to gain hands-on experience in network administration, UNIX server administration, and multimedia resource production, and is used for special independent and group projects under the supervision of faculty and staff. Made possible in part by a grant from the Kellogg Foundation, the **Usability Center** is a fully equipped usability laboratory for conducting, observing, recording, and analyzing usability evaluations. The **iSpace** computer cluster and learning lab provides students with access to a modern Web development environment with scripting language and database access, media production facilities, and a flexible virtual computer environment for experimenting with and using modern information technology tools.

COLLEGE OF LAW

Dean: Wayne A. Logan; **Associate Deans:** Nancy L. Benavides, Donna R. Christie, Jim Rossi, Dave Markell; **Assistant Deans:** Rosanna Catalano, Stephanie L. Williams; **Director of the Research Center:** Faye Jones

The College of Law's academic reputation firmly places it in the ranks of the nation's top-tier 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 of Law'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 450 law firms and numerous government agencies, the College of Law is just steps away from the state capitol, the Florida Supreme Court, the First District Court of Appeal, and the United States District Court for the Northern District of Florida.

The College of Law receives more than 15 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 38 states, 14 countries, and 219 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 select 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 161 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 email admissions@law.fsu.edu.

Curriculum

The College of Law offers a rich and diverse three-year curriculum for the Juris Doctor 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 and all have been rated high on "impact factor" by Washington and Lee University. The College of Law's advocacy teams are regionally and nationally competitive.

Requirements for Admission

Applications are accepted between October 1 and March 15 for admissions the following August. The College of Law enrolls only one class in the fall of each year. It does not offer a part-time or evening program. Submit and complete law school applications as early as possible, preferably by December 1. Files must be complete by April 1 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, rigor 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 November.

The students of the College of Law are one of its greatest strengths. For 2007, the College received more than 3,300 applications for approximately 210 seats in the first-year class.

Admission to the College of Law is a competitive process. The median GPA for applicants enrolled in our 2007 entering class was 3.5, and the median Law School Admission Test (LSAT) score was 160.

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 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 environmental law and in international law. The law school's programs in environmental law and tax law are recognized as some 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 seven joint-degree programs in cooperation with other colleges, schools and departments at Florida State. The joint degrees bring together law with business, economics, information studies, international affairs, public administration, social work, and urban and regional planning.

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.

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/

COLLEGE OF MEDICINE

Dean: J. Ocie Harris; **Senior Associate Dean for Academic Affairs:** Alma Littles; **Associate Dean for Health Affairs:** Robert Brooks; **Associate Dean for Student Affairs, Admission, and Outreach:** Elena Reyes; **Associate Dean for Curriculum:** Sebastian Alston; **Associate Dean for Research and Graduate Programs:** Myra Hurt; **Assistant Deans for the Regional Medical School Campuses:** Michael Muszynski, Orlando; Paul McLeod, Pensacola; Bruce Berg, Sarasota; Mel Hartsfield, Tallahassee; Luckey Dunn, Daytona Beach; Randy Bertolette, Ft. Pierce; **Director of the Clinical Learning Center:** Sarah Sherraden; **Director of the Medical Library:** Barbara Shearer; **Executive Director of Outreach and Advising:** Thesla Berne-Anderson; **Assistant Dean for Faculty Development:** Dennis Baker; **Assistant Dean for Diversity and Outreach:** Eugene Trowers

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 email 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 (MD). Upon completion of the four-year MD educational program, these physicians pursue graduate medical education (internship, residency, and sometimes fellowships), 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 all required courses and clerkships, must have a grade point average of 2.5 or greater, 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*.

Honors Medical Scholars Program

The FSU College of Medicine, along with the FSU Honors Office, has established a BS/MD Program that is open annually to qualified students. The program allows eligible FSU honors students to pursue a BS degree of their choice while also participating in the Medical Scholars Program, which includes a seminar, 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, making it possible to graduate with BS and MD degrees in seven years. Applications and program details are available from the FSU Honors Office at (850)644-1841.

PhD in Biomedical Sciences

The PhD 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 PhD 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 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 (24) semester hours of dissertation credit; and submitting, publicly presenting, and successfully defending a dissertation.

Additional details are available at <http://www.med.fsu.edu/biomed/phd/default.asp>. For additional information or inquires please contact us by calling (850) 645-6420.

Admission Requirements

Admission to the MD Program

All inquiries regarding admission should be sent to *College of Medicine, Florida State University, Tallahassee, FL 32306-4300*; or email 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 US 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 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://www.med.fsu.edu/biomed.phd/default.asp>) for other contact information. Admissions requirements for the PhD 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 600 for the paper test or 233 for the computer based test (CBT). 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 course work, 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 course work, 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, TELEVISION, AND RECORDING ARTS

Dean: Frank Patterson

The College of Motion Picture, Television, and Recording Arts (the Film School) was established in 1989. In the short time the Film School has been in operation, it has quickly become recognized nationwide as an outstanding film program that offers both bachelor of fine arts and master of fine arts degrees. Both programs provide film equipment and studio facilities for production and post-production. The two programs are served by a completely equipped production center. The Film School funds virtually all student film and video workshops and productions, including the graduate and undergraduate thesis film productions.

The expertise of the Film School's faculty reflects the direction and range the college will take in the future. Frank Patterson, Dean of the College of Motion Picture, Television, and Recording Arts, has more than 20 years experience in the film and television industry as a writer, director, producer, editor, and consultant. He is joined by 17 faculty members, all of whom are specialists in the areas of producing, writing, directing, cinematography, visual effects, editing, sound, and production design, as well as film history, theory, and aesthetics.

Faculty Distinctions

The Film School has a strong commitment to hiring experienced working professionals who have both teaching skills and professional goals. The Film School's 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 Film School 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 35mm 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 16mm and 35mm production.

Undergraduate Degree Program

The program of study leading to a bachelor of fine arts degree is designed to lead students through the complete process of creating short films, while incorporating a well-rounded liberal arts education that includes writing courses. Major courses include producing, directing, cinematography, screenwriting, sound, editing, production management, film history, film theory, and film aesthetics. It is a **limited access** major; therefore, admission is highly selective and competitive. Students may be accepted into the program at the freshman level or transfer in once seventy-five percent (75%), or twenty-seven (27) semester hours, of the liberal studies requirements have been completed.

The world-class facilities of the Film School aid in meeting the goals of the undergraduate program—to educate students in film 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, Television, and Recording Arts is limited access, making admission highly selective and competitive. Approximately 30 students, comprising freshmen and transfer applicants, are admitted each fall as film majors. Applicants must make application to and meet the requirements of Florida State University's Office of Admissions, as well as submit a separate application to the College of Motion Picture, Television, and Recording Arts. A student seeking to enter the program must offer an acceptable grade point average (usually above 3.0) and be eligible for admission to

Florida State University. Each applicant must submit a 500–1000 word essay describing his or her background, artistic experiences, creative influences, personal objectives, and future career goals, as well as a résumé, two (2) letters of recommendation, transcripts from all high schools, colleges, and universities attended, and SAT (usually a minimum of 1200) or ACT (usually a minimum of 25) test scores. 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 VHS tapes, DVDs, writing samples, or photographs. All application materials must be received by the College of Motion Picture, Television, and Recording Arts by December 15th for the applicant to be considered for admission the following Fall semester. Please refer to the "Academic Programs" chapter in this *General Bulletin* for further details on the application process. Applications are 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 work in the film and television industry; to ground students in the history of each medium's theory and practice; and to prepare students for careers as artists and craftspersons in the professional film and video production industries. Students work in production teams on narrative fiction films with each film being written, storyboarded, produced, directed, production designed, shot, recorded, and edited by graduate students. In addition, students are educated about the financial, legal, distribution, and exhibition aspects of the film business. The graduate program is designed and scheduled as a conservatory. It is meant to create a production 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, Television, and Recording Arts graduate program is of limited access, with 24 production and 6 writing students admitted each year. Prospective students must make application to and meet the requirements of Florida State University's Graduate Admissions Office and submit supplemental application materials required for consideration of admission to the graduate program at the Film School. Supplemental materials must be submitted electronically as a component of the Florida State University Graduate Application for Admission. The required supplemental materials include: a 500-1000 word statement of purpose describing the applicant's artistic work, creative influences, personal objectives, relevant background, and career goals, as well as three (3) letters of recommendation, and a professional and creative résumé. As an option, production applicants may submit a sample of their best work (video, writing sample, etc.). Writing applicants must submit samples as specified on the supplemental information sheet. Detailed information is available online at <http://film.fsu.edu>.

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 Film School 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 Film School. Registration will be administratively canceled at the end of the second week of classes for any students failing to provide proof of insurance.

COLLEGE OF MUSIC

Dean: Don Gibson; **Assistant Deans:** Seth Beckman, 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 a faculty chamber music series. Of particular interest to the music student are certificate and degree recitals and programs sponsored by music honoraries. An artists' list and monthly calendar of College of Music programs and other cultural activities on campus are 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 Music Educators National Conference, 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
- Piano Pedagogy
- 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 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

- Performance
- Accompanying
- Piano Pedagogy
- Choral Conducting
- Instrumental Conducting
- Jazz Studies
- Music Theory
- Composition
- Musicology (both historical and ethnomusicology)
- Opera Production
- Music Therapy

Master of Music Education

Master of Arts in Arts Administration

Doctor of Philosophy in Music Education

Doctor of Philosophy in Music (specializations in historical musicology, ethnomusicology, or music theory)

Doctor of Education in Music Education

Doctor of Music in Composition

Doctor of Music in Performance

The doctor of philosophy degree in humanities with an emphasis in music is available from the College of Arts and Sciences. Students seeking a Master of Music in Music Education may focus their studies on piano pedagogy. 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 air-conditioned and 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 **Owen F. Sellers Music Amphitheatre** is used for outdoor performances in the fall and spring. **Ruby Diamond Auditorium** (under renovation for the 2008 and 2009 academic years) is a 1,575-seat 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, video cassettes, 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 in 1977–78, 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 Kuersteiner 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, 34-stop Holtkamp tracker (mechanical action) organ in Opperman Music Hall is used for recitals, concerts, and lessons. Practice organs include a 1976, 3-stop Holtkamp tracker; a 1973, 6-stop Wicks; a 1967, 4-stop Holtkamp; and a 1976, 4-stop portable continuo/chamber organ, also with mechanical action, by Holtkamp. A restored English chamber organ built by Hill and Davison in 1837–38 is available to organ students for practice and performance.

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:

- Certificate in Church Music (instrumental or vocal emphasis)
- Certificate in Early Music
- Certificate in Jazz Studies
- Certificate in Music of the Americas
- Certificate in Performance
- Certificate in Piano Pedagogy
- Certificate in Special Music Education
- Certificate in World Music
- Graduate Certificate in Arts Administration
- Graduate Certificate in College Teaching
- Graduate Certificate in Music Education and Leadership
- Graduate Certificate in the Pedagogy of Music Theory
- Music Therapy Equivalency

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.

Shelfer Scholar Residency. The College of Music enjoys a continuing residency of a Professor of Voice through the Lucille P. and Elbert B. Shelfer, Jr., 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 \$13,000 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 in music degree 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. Placement in the appropriate applied music course is based on the requirements established by the National Association of Schools of Music. 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. Students may be given a temporary status in applied music during their first semester by placement in undergraduate coaching (MVO 1010, 2020, 3030, 4040). Students placed in undergraduate coaching must complete a jury exam at the end of their first semester of residence at the University for placement and advisement.

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: If a student placed in undergraduate coaching fails to take a jury exam, the student will be given an automatic placement of MV_101_. 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 [2] semester hours), one year of MUH 3211-3212 Survey of Music History (six [6] semester hours), and an approved literature course (a total of eleven [11] semester hours). Piano pedagogy, therapy, choral, instrumental, and general music education majors will elect PSY 2012 General Psychology as three (3) of the six (6) 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. College Level Academic Skills Test (CLAST) must be successfully completed by sophomores prior to achievement of junior academic status;
4. 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;
5. A minimum of sixty (60) semester hours must be completed at a senior institution;
6. A minimum of forty (40) semester hours of upper division must be completed (3000 and 4000 level courses);
7. The final thirty (30) semester hours must be completed at Florida State University; and,
8. A minimum of one hundred twenty (120) 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.

Because of its accreditation by the National Association of Schools of Music, BM and BME students in the College of Music must achieve certain competencies that have been established by NASM. These are normally built into the curricula for the various degree programs so that students are not required to register for extra courses. Three competencies are worthy of special mention: improvisation, conducting, and technology.

Students normally meet the improvisation requirement through the completion of the MVK 2121 Class Piano sequence, where improvisation is an integral component of the class. Conducting competency is automatically included in several degree programs, most notably music education; students in other majors normally take MUG 3104. A course in music technology is included in each degree program.

Contact the Undergraduate Office in the College of Music for additional information and the options available for meeting these requirements.

Curricula Leading to the Bachelor of Music Degrees

Note: Students are encouraged to obtain specific curriculum 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, harpsichord, 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, harpsichord, 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 (120) semester hours: thirty-four (34) semester hours and jury competency in applied music, including junior and senior recitals; eight (8) semester hours in keyboard literature; twenty-four (24) semester hours in theory; ten (10) semester hours in music history and literature; four (4) semester hours of ensemble; eight (8) semester hours of piano pedagogy and piano accompanying; student recital attendance; one (1) semester hour of music technology; one (1) semester hour of conducting, and thirty-six (36) semester hours of liberal studies.

Organ Performance Majors. Total of one hundred twenty (120) semester hours: thirty-two (32) semester hours and jury competency in applied music, including junior and senior recitals; two (2) semester hours in applied music secondary; six (6) semester hours in pedagogy and repertory; twenty-four (24) semester hours in theory; ten (10) semester hours in music history and literature; four (4) semester hours of ensemble; student recital attendance; twelve (12) semester hours of a foreign language; one (1) semester hour of music technology; one (1) semester hour of conducting; and thirty-six (36) semester hours of liberal studies.

Voice Performance Majors. Total of one hundred thirty-three (133) semester hours: twenty-four (24) semester hours and jury competency in applied music, including junior and senior recitals; four (4) semester hours in applied music secondary; twenty-two (22) semester hours of theory; ten (10) semester hours in music history and literature; eight (8) semester hours of ensemble; student recital attendance; twenty-one (21) semester hours in diction/foreign language; five (5) semester hours of choral literature and conducting and vocal pedagogy; six (6) semester hours of vocal solo literature; four (4) semester hours of opera/music theatre electives; one (1) semester hour of music technology; and twenty-eight (28) semester hours of liberal studies.

Strings Performance Majors (Violin, Viola, Cello, Double Bass). Total of one hundred twenty (120) semester hours: thirty-two (32) semester hours and jury competency in applied music, including junior and senior recitals; four (4) semester hours in applied music secondary; twenty-four (24) semester hours of theory; ten (10) semester hours in music history and literature; twelve (12) semester hours of ensemble; student recital attendance; eight (8) semester hours of repertory and pedagogy; one (1) semester hour of conducting; one (1) semester hour of music technology; and twenty-eight (28) semester hours of liberal studies.

Harp Performance Majors. Total of one hundred twenty (120) semester hours: thirty-six (36) semester hours and jury competency in applied music, including junior and senior recitals; four (4) semester hours in applied music secondary; four (4) semester hours in harp pedagogy and literature; twenty-four (24) semester hours of theory; ten (10) semester hours of music history and literature; student recital attendance; eight (8) semester hours of ensemble; four (4) semester hours of electives; one (1) semester hour of music technology; one (1) semester hour of conducting; and twenty-eight (28) semester hours of liberal studies.

Guitar Performance Majors. Total of one hundred twenty-four (124) semester hours: thirty-two (32) semester hours and jury competency in applied music, including junior and senior recitals; four (4) semester hours in applied music secondary; twenty-four (24) semester hours of theory; ten (10) semester hours in music history and literature; four (4) semester hours of ensemble; student recital attendance; twelve (12) semester hours in repertory and literature and pedagogy; eight (8) semester hours of foreign language; one (1) semester hour of conducting; one (1) semester hour of music technology; and twenty-eight (28) semester hours of liberal studies.

Woodwind, Brass, or Percussion Performance Majors. Total of one hundred twenty (120) semester hours: twenty-eight (28) semester hours and jury competency in applied music, including junior and senior recitals; four (4) semester hours in applied music secondary; six (6) semester hours in wind and percus-

sion instrument literature and pedagogy; twenty-four (24) semester hours of theory; ten (10) semester hours of music history and literature; student recital attendance; twelve (12) semester hours of ensemble; six (6) semester hours of electives; one (1) semester hour of music technology; one (1) semester hour of conducting; and twenty-eight (28) semester hours of liberal studies.

Composition. Approval by the composition faculty is required for admission to the program. Total of one hundred twenty (120) semester hours: sixteen (16) semester hours and jury competency in applied music; six (6) semester hours in applied music secondary; thirty-two (32) semester hours of theory; nineteen (19) semester hours of composition; ten (10) semester hours of music history and literature; student recital attendance; senior recital of compositions; six (6) semester hours of ensemble; one (1) semester hour of electives; one (1) semester hour of music technology; one (1) semester hour of conducting; and twenty-eight (28) 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 (120) semester hours: sixteen (16) semester hours and jury competency in applied music; six (6) semester hours in applied music secondary; thirty-two (32) semester hours of theory; three (3) semester hours of composition; ten (10) semester hours of music history and literature; student recital attendance; two (2) semester hours of electives; two (2) semester hours of thesis; six (6) semester hours of ensemble; twelve (12) semester hours of German; one (1) semester hour of music technology; one (1) semester hour of conducting, and twenty-eight (28) 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 (120) semester hours: sixteen (16) semester hours and jury competency in applied music, including junior recital equivalency; four (4) semester hours in applied music secondary; sixteen (16) semester hours of theory; ten (10) semester hours of music history and literature; fourteen (14) semester hours of theatre studies; fifteen (15) semester hours of movement techniques/dance; four (4) semester hours of music theatre repertory; two (2) semester hours of ensemble; one (1) semester hour of major performance role; eight (8) semester hours of music theatre workshop; student recital attendance; one (1) semester hour of music technology; one (1) semester hour of conducting; and twenty-eight (28) semester hours of liberal studies.

Music Therapy. Total of one hundred thirty-two (132) semester hours: twelve (12) semester hours and jury competency in applied music; seven (7) semester hours in applied music secondary; sixteen (16) semester hours of theory; ten (10) semester hours of music history and literature; twenty-nine (29) semester hours of music therapy; seven (7) semester hours of other music; two (2) semester hours of senior project; student recital attendance; six (6) semester hours of ensemble; eighteen (18) semester hours of behavioral/health/natural science; three (3) semester hours of elective; and twenty-eight (28) 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 (18) 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).

Piano Pedagogy Majors. Total of one hundred twenty (120) semester hours: twenty-four (24) semester hours and jury competency in applied music, including senior recital; six (6) semester hours in keyboard literature; twenty-four (24) semester hours in music theory; ten (10) semester hours in music history and literature; two (2) semester hours in ensemble; sixteen (16) semester hours in piano pedagogy; three (3) semester hours of educational collateral; student recital attendance; five (5) semester hours of other music; one (1) semester hour of music technology; one (1) semester hour of conducting; and twenty-eight (28) semester hours of liberal studies.

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, harpsichord, harp, guitar, or organ. Candidates for the bachelor of music education degree in instrumental music will choose as a principal instrument piano, organ, guitar, harpsichord, 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, harpsichord, 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 (45) 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;
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 (5) semester hours of professional sequence course work 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 (134) semester hours: twelve (12) semester hours and jury competency in applied music; three (3) semester hours in applied music secondary; sixteen (16) semester hours of theory; ten (10) semester hours of music history and literature; four (4) semester hours of ensemble; student recital attendance; fifty-one (51) 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 (2) semester hours of senior project/recital; three (3) semester hours of psychology; five (5) semester hours of electives; and twenty-eight (28) semester hours of liberal studies.

Bachelor of Music Education—Choral. Total of one hundred thirty-four (134) semester hours: twelve (12) semester hours of applied music; five (5) semester hours of applied music secondary; sixteen (16) semester hours of theory; ten (10) semester hours of music history and literature; two (2) semester hours of senior project/recital; student recital attendance; forty-seven (47) 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 (6) semester hours of ensemble; three (3) semester hours of psychology; five (5) semester hours of electives; and twenty-eight (28) semester hours of liberal studies.

Bachelor of Music Education—General Emphasis. Total of one hundred thirty-four (134) semester hours: twelve (12) semester hours and jury competency in applied music; six (6) semester hours in applied music secondary; sixteen (16) semester hours of theory; ten (10) semester hours of music history and literature; five (5) semester hours of ensemble; student recital attendance; forty-seven (47) semester hours of music education including internship; two (2) semester hours of senior project; three (3) semester hours of psychology; five (5) semester hours of electives, and twenty-eight (28) semester hours of liberal studies.

Curriculum Leading to the Bachelor of Arts Degree in Music

Total of one hundred twenty (120) semester hours: eight (8) semester hours and jury competency in applied music; sixteen (16) semester hours of theory; ten (10) semester hours of music history and literature; four (4) semester hours of ensemble; twelve (12) semester hours of upper-division music electives; student recital attendance; twelve (12) semester hours of foreign language; thirty (30) semester hours of electives/minor requirements; and twenty-eight (28) semester hours of liberal studies.

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 (25) semester hours: four (4) semester hours in applied music; twelve (12) semester hours of theory; seven (7) semester hours of music history and literature; two (2) semester hours of ensemble; and two (2) semesters of student recital attendance.

COLLEGE OF NURSING

Dean: Lisa Ann Plowfield

The College of Nursing has been educating men and women for the practice of professional nursing since 1950. The college offers the bachelor of science in nursing (BSN) and a master of science in nursing (MSN). For further information on the master's program, 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.

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 College of Nursing offers on-campus and online programs for registered nurses seeking a baccalaureate degree (RN to BSN). The program is designed to capitalize on prior learning and experience of the registered nurse. The goal of the program is to provide registered nurses with the opportunity to attain further nursing education. Upon meeting admission requirements and fulfilling the prerequisite courses, the registered nurse may complete the RN to BSN program in approximately four to seven (4–7) semesters of consecutive part-time study. The course work will include content that is unique to baccalaureate education. If the RN student desires to matriculate into the master's program, a maximum of two graduate courses may be included in the baccalaureate program of study, provided eligibility requirements are met. The RN to BSN program consists of thirty-one (31) semester hours of core and elective nursing courses to include twenty-five (25) core hours and six (6) or more elective hours. Upon successful completion of NUR 3805, 3286, 3167, 4107, 4069C, 4080 and 4080L, the RN to BSN student will be eligible to receive up to thirty-one (31) additional semester hours of departmental credit. Graduates with a baccalaureate degree in nursing are prepared to provide quality nursing care to individuals, families, and groups in health care agencies in both urban and rural areas. These include hospitals, health departments, nursing homes, and other community health agencies. These graduates have the potential for assuming leadership roles in a variety of health care agencies and for pursuing advanced degrees in nursing.

The program objectives of Florida State University's College of Nursing undergraduate program are to educate students who will be:

1. Critical thinkers who demonstrate intellectual curiosity, rational inquiry, problem-solving skills, and creativity in framing problems;
2. Culturally competent people who provide holistic nursing care to a variety of individuals, families, and communities;
3. Knowledgeable coordinators of community resources who facilitate individual family and community access to those resources necessary to meet health care needs;
4. Politically aware individuals who participate in the profession and the practice of nursing with a global perspective;
5. Individuals who practice within the ethical and legal framework of the nursing profession;
6. Effective communicators who are able to share accurate information;
7. Competent, caring nurses who assume the multiple role dimensions required in diverse health care settings;
8. Professional role models who promote a positive public image of nursing;
9. Responsible managers who balance human, fiscal, and material resources to achieve quality health care outcomes; and,
10. Professional nurses who assume a leadership role within the scope of practice in diverse settings.

[Adapted from IUSON, 1996.]

The traditional BSN program is an upper-division major with required prerequisites and a sequential ordering of courses in terms I, II, III, IV, and V, and includes one summer term.

The RN to BSN program is an upper-division major with required prerequisites and a sequential ordering of courses that can be completed on a part-time basis in four to seven consecutive semesters.

Facilities

A variety of clinical laboratory settings are utilized for meaningful learning experiences. Tallahassee Memorial HealthCare, Florida State Hospital, Elder Care Services, Apalachee Community Mental Health Center, Leon County Public Health Unit, 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 and Florida Hospital in Orlando for some critical care experiences. 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.

The online RN to BSN program courses are web-based. Clinical requirements are satisfied by working with a professional nurse (preceptor) at a Florida healthcare or community facility convenient to the student with approval by course faculty.

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 Course Prerequisites

The State of Florida has identified common course 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.

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. BSC X085C or any human anatomy and physiology I or human anatomy;
2. BSC X086C or any human anatomy and physiology II or human physiology;
3. Four to six (4–6) semester hours of chemistry (CHM prefix), which must be comprehensive college general chemistry (such as CHM 1032) but not lower level principles courses (such as CHM 1025). Contact the department for exceptions;
4. DEP X004 or any human growth and development across life span;
5. HUN X201 (or any human nutrition) or NUR X192;
6. MCB X010C or any microbiology with lab;
7. PSY X012 or any general psychology;
8. STA X014 or any statistics course;
9. SYG X000 or any introduction to sociology.

Traditional 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 admission to the nursing program and is usually filed during the sophomore year. The HESI A2 (Admission) test is required as part of the admission process. The College of Nursing reserves the right to interview applicants at its discretion. Application deadline for Fall is February 1st and for Spring is September 1st.

In order for an application to be considered complete, the student must:

1. Complete sixty (60) unduplicated credit hours (completion of FSU's liberal studies requirements is highly suggested) or have an AA degree from a Florida institution of higher learning (or an equivalent out-of-state institution) with an overall cumulative GPA of at least a 3.0, as well as a 3.0 or higher in all science prerequisites (see State of Florida Common Course Prerequisites above);
2. Complete the State of Florida Common Course Prerequisites (see above) with a "C" or better; and
3. Take the HESI A2 test prior to the application deadline and receive a score of 75 or higher.

The College of Nursing is a limited enrollment program, and admission is competitive based on previous academic performance and external testing. 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 the 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 performance testing for students in each term of the program. Clinical performance testing in Term I consists of weekly assessment as well as a final evaluation. Each student in Terms II through V is required to complete successfully clinical performance testing in each semester of the program prior to the clinical experience. 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 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 (2) 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 and specified amounts of malpractice/negligence insurance, 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 nursing, traditional 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 at the time of testing); and
4. Completion of an achievement exam at the benchmark level during Term V.

RN to BSN Program Requirements

Students applying to the RN to BSN program must meet both the University and College of Nursing program entrance requirements before they will be considered for admission. A separate application to the College of Nursing is required for admission to the RN to BSN program. Criteria for admission to the RN to BSN program include:

University Requirements

- Meet all general transfer admission requirements for Florida State University.
- Have a minimum of 60 semester hours of transferable credit (AA degree strongly recommended).
- Verify satisfactory completion of the Florida CLAST.
- Verify satisfactory completion of the University's Foreign Language Entrance requirement.

College of Nursing Requirements

- Have earned an overall cumulative GPA of 2.7 or higher.
- Have earned an average science prerequisite GPA of 2.5 or higher.
- Possess a current unencumbered Registered Nurse (RN) license from the state of Florida.
- Have completed all of the required prerequisite courses with a grade of "C" or higher (see State of Florida Common Course Prerequisites above).

The application deadline for Fall admission is June 1st, for Spring is September 1st, and for Summer is February 1st. In addition to applying to the University and providing official transcripts, a separate RN to BSN Program Application to the College of Nursing is required. Students applying for the online RN to BSN program must also submit an additional Supplemental Admissions Application for Distance Learning Programs.

While enrolled in any course in the RN to BSN program, students must have certain required documentation on file, which must be kept current to comply with College of Nursing policy, as well as the rules/regulations of participating clinical agencies. The student is responsible for ensuring that the required clinical documentation is current at all times while enrolled in the RN to BSN major. Students whose documentation is not complete or up to date are not permitted to enter a clinical agency or begin work with a preceptor until clearance is granted from the College of Nursing. Upon initial enrollment, all students must:

- Submit to an FDLE/FBI Level II Background Check;
- Submit to a Certified Background review, which includes:
 - County of Residence Criminal Records;
 - Residence History (last 7 years);
 - Social Security Verification;
 - Nationwide Healthcare Fraud and Abuse Scan;
 - Nationwide Sexual Offenders Registry Scan;
 - U.S. Patriot Act;
 - Employment Verification;

- Submit to a urine drug screen through Certified Background. (Additional screening may be required throughout the program);
- Provide a copy of a current, unencumbered Florida RN license;
- Provide proof of BLS for Healthcare Provider certification;
- Complete a Physical Examination and provide proof of specified immunizations;
- Provide proof of an annual tuberculin skin testing;
- Provide proof of Professional Liability Insurance coverage (\$1,000,000/\$5,000,000) as an RN; and,
- Provide proof of personal health insurance coverage.

If the background check reveals violations resulting in a student being denied admission to a clinical agency and/or access to patients in an agency, and if a comparable assignment cannot be made to meet course objectives, the student will be unable to progress and complete the program.

Students will be required to submit a notarized Affidavit of Good Moral Character on an annual basis following the initial semester of enrollment to certify that no offenses have been committed since the initial background check was completed. All documentation must be kept current at all times while enrolled in any course in the program. Additional background checks may be required during the program based on clinical agency requirements.

Students enrolled in the nursing major 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.

Students enrolled in the RN to BSN program must achieve a grade of "C" (2.0 on a 4.0 scale) or higher in all theory and 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 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 removed by the end of the drop/add period at the beginning of the next term, the student will be dropped from the requisite course(s).

Candidates for the bachelor of science in nursing (RN to BSN program) must comply with University regulations governing baccalaureate degrees and must successfully complete all University undergraduate degree requirements, all program prerequisites, and all required nursing courses.

COLLEGE OF SOCIAL SCIENCES

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 21st 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 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, 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 interdisciplinary programs in African-American studies, Asian studies, environmental studies, international affairs, Russian and East European studies, and social science

(which is offered interactively and in traditional classroom formats). 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 15 areas, the doctor of philosophy in six fields, and six 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' 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, 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, and the Netherlands. Students may take courses leading to the Interdisciplinary Social Science degree interactively through an agreement between Florida State University and 16 community colleges across Florida.

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 will be subject to mapping beginning 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 (2) 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 (30–42) 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, 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 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 (12) 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 (30) 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.

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 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 (12) 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: C. Aaron McNeece; **Associate Deans:** Scott Ryan, Dina Wilke;

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 the first class of students. Two years later the master of social work program was accredited by the Council on Social Work Education and has earned re-accreditation continuously since that time. 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 29 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.

As the profession of social work begins the 21st century, there is an ever-increasing awareness of the impact of the many social changes that have taken place in our contemporary world. The College of Social Work is dedicated to the preparation of tomorrow's social workers. 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: Kim Maddox

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: Pamela W. Graham

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: Darcy Siebert

The PhD program in social work is designed to advance the social work profession through the development of researchers/scholars and educators.

Overseas Study

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, a minimum of a 2.0 grade point average (GPA) on all college work attempted, and satisfaction of the CLAST requirement. 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 (50) 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 (50) 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 (8) 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 education is a vital and integral part of the total curriculum. Through actual experience in the field, students are helped to link theory to practice. Qualified agency staff members serve as field instructors, and the field agencies selected by the college cover the broad spectrum of social work practice. Currently, the college is affiliated with more than 400 agencies across the state of Florida, in areas of the southeastern United States, and internationally.

Undergraduate field education, SOW 4510, is a twelve (12) semester hour course (512 clock hours) that requires the student to register for and successfully complete a thirty-two (32) 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*.

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.

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.

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 development officer of the College of Social Work at (850) 644-9749 or e-mail mtuveson@mailier.fsu.edu.

- **Citrus Health Network Scholarship for Graduate Students.** For full or part-time graduate students who are interested in working in the behavioral health care field (e.g., mental health and substance abuse), and would consider working in the Miami-Dade County area. Estimated award amount: \$750-1500.
- **Mark DeGraff & Lula Hamilton DeGraff Scholarship.** For full-time senior undergraduate or full or part-time graduate students who are interested in working with or conducting research relating to youth. Estimated award amount: \$1000-1500.
- **Joanna F. Gorman Scholarship.** For full-time upper-level undergraduate or graduate students (MSW or doctoral) who plan a career in the field of

child welfare, maternal and child health, community mental health, or primary prevention in mental health or health. Estimated award amount: \$2000-3000.

- **Dianne F. Harrison Scholarship.** This award is presented at our Spring Convocation for "Best Dissertation Prospectus." Estimated award amount: \$500
- **Robert P. Hurrle Scholarship for Field Instruction.** For social work majors who demonstrate a commitment to the field of aging or military social work. This stipend is offered each semester and is to be used while the student is completing a field practicum in one of these areas. Estimated award amount: \$2500-4500.
- **Margaret H. Jacks Scholarship in Aging.** For full- or part-time MSW students who have completed at least one course on aging or demonstrated a commitment to the field of aging. Estimated award amount: \$500-1000.
- **Richard M. King Scholarship in Social Work & Business Administration.** For full- or part-time graduate students who are interested in earning both an MSW and a master's in business administration. Estimated award amount: \$2000-3000.
- **Koalska Undergraduate Scholarship.** For full-time undergraduate students whose parents did not attend college. Financial need considered. Estimated award amount: \$1500.
- **Joyce Harper Laidlaw Scholarship in Child Welfare.** For graduate students who demonstrate dedication and commitment to work in the area of child welfare and show financial need. Estimated award amount: \$1500-2500.
- **Coyle & Mable Moore Scholarship.** For full-time social work students who show evidence of good character and citizenship, volunteer work, and financial need. Estimated award amount: \$750-1500.
- **Sarah Sealey Morrill Scholarship.** For social work majors with interest in the field of community mental health. Estimated award amount: \$200-500.
- **MSW Class of 1975 March Graduates Scholarship.** For two-year full-time MSW students interested in community-based practice, advocacy, or public policy, with evidence of commitment to social justice concerns. Estimated award amount: \$250-500.
- **Bernhard Scher Undergraduate Scholarship.** For undergraduate (60 credit hours completed at college level) social work majors enrolled in social work classes, with overall GPA of at least 3.5. Essay on "Social Work Values" required. Estimated award amount: \$500-750.
- **Guy & Delores Spearman Scholarship.** For BSW or MSW students from Brevard County with overall GPA of 3.0 or greater. Estimated award amount: \$1500-3000.
- **Maurice M. & Patricia V. Vance Scholarship.** For MSW or PhD students returning to school, after a hiatus of at least two years, to forward their professional careers in social work. Academic achievement, financial need, and dedication to the field are considered, with the greatest emphasis on dedication. Estimated award amount: \$1000.
- **Victoria E. Warner Scholarship.** For Florida A & M University graduates currently enrolled in MSW program at FSU (full- or part-time). Estimated award amount: \$1000-1500.

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. Course work addresses the following: 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 the 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.

Family Social Work Practice Certificate Program

This certificate program is designed for MSW clinical concentration students who wish to develop advanced competence in couple and family social work. Course work for this certificate focuses on advance practice skills for those students wishing to pursue careers in mental health settings.

Certificate in Aging Studies

The Florida State University Pepper Institute on Aging and Public Policy offers an opportunity for a concentrated education in aging studies. Students with an interest in aging and educational credentials that indicate their completion of a multi-disciplinary course of study in aging and old age take courses in social work and a variety of other disciplines. For further information, visit: <http://www.pepperinstitute.org/Certificate/>.

The Arts and Community Practice Certificate

The program is an interdisciplinary certificate designed for undergraduate and graduate students who wish to develop a focused concentration on the application of the arts to community development. This program 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.

Leadership in Executive and Administrative Development (LEAD) in Social Work Certificate

The mission of this leadership certificate is to educate students about leadership theories and practices and to provide students with leadership experience. Learning about leadership gives students the skills they need for middle and executive positions in social service situations. An in-depth curriculum emphasizes leadership, decision-making, client-centered management, team building, negotiating, budget and finance, and the successful management of grants to guide students to successful management of social service agencies.

Social Work in Disaster Recovery (SWDR) Certificate

One of the major challenges for disaster relief and crisis intervention professionals and volunteers is the development of methods for initial access and long-term services to vulnerable populations such as rural minority residents, migratory families, persons with disabilities, low-income families, the homeless, and the elderly. This certificate program educates degree-seeking graduate students and trains non-degree seeking professionals for culturally competent practice, advocacy, and long-term recovery case management with diverse populations in natural disaster relief efforts. This SWDR Certificate equips participants with the knowledge, awareness, and skills necessary to provide culturally sensitive disaster relief services. The in-depth curriculum emphasizes cultural awareness, evidence-based knowledge development, skills acquisition, and strategic planning with vulnerable populations in disaster relief and long term recovery efforts.

Joint Master of Social Work/Juris Doctor (MSW/JD) Program

This program is for students interested in combining a MSW with a degree in law. Persons graduating with this joint degree practice in areas such as family law, child advocacy, domestic violence, public policy, and public defense. Students must be admitted simultaneously and independently to both the University's College of Social Work and the College of Law.

Joint Master of Social Work/Master of Public Administration (MSW/MPA) Program

The Florida State University's Reubin O'D. Askew School of Public Administration and Policy and the College of Social Work offer a joint-degree program leading to the degree of Master of Social Work (MSW) and Master of Public Administration (MPA). This is one of the few joint-degree programs in these fields offered in the United States. The program prepares students for positions in public, private, and non-profit human service organizations by gaining knowledge in both social work and public administration.

Joint Master of Social Work/Master of Science (MSW/MS) in Criminology and Criminal Justice

This program is a collaboration between the College of Social Work and the College of Criminology and Criminal Justice. The joint degree is for graduate students in both programs who wish to expand their understanding of the connection between these two fields of study and gain expertise through work with forensic clients. Students must apply and be accepted to each graduate program independently.

Joint Master of Social Work/Master of Business Administration (MSW/MBA) Program

This curriculum is structured for graduate students enrolled in the social policy and administration (SPA) concentration in the Advanced Standing M.S.W. program and for students pursuing an M.B.A. The mission of this joint degree is to join the strengths of both of these degree programs and to educate students about leadership theories and practices, providing students with leadership experience from both a business and social work perspective. Mastering these skills will give these students the required backgrounds for middle and executive positions in social service organizations.

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Dean: Sally McRorie

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 six academic units: the Departments of Art, Art History, Art Education, Interior Design, 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. Entrance is gained through portfolio review or audition.

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), three specialized facilities merit particular mention. First, art students in designated degree programs are provided individual studios in two large "warehouses" at the edge of campus, 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.

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. 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 incredible museum complex with its superb internationally renowned art collection, circus museum, 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.

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

Florida's Statewide Course Numbering System

Courses in this catalog are identified by prefixes and numbers that were assigned by **Florida's Statewide Course Numbering System (SCNS)**. This numbering system is used by all public postsecondary institutions in Florida and 31 participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions. Students and administrators can use the online Statewide Course Numbering System to obtain course descriptions and specific information about course transfer between participating Florida institutions. This information is at the SCNS website at <http://scns.fldoe.org>.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have a meaning in the Statewide Course Numbering System (SCNS). The list of course prefixes and numbers, along with their generic titles, is referred to as the "SCNS taxonomy." Descriptions of the content of courses are referred to as "statewide course profiles."

Example of Course Identifier

Prefix	Level Code (first digit)	Century Digit (second digit)	Decade Digit (third digit)	Unit Digit (fourth digit)	Lab Code
SYG	1	0	1	0	
Sociology, General	Freshman Level at this institution	Entry level General Sociology	Survey Course	Social Problems	No laboratory component in this course

General Rule for Course Equivalencies

Equivalent courses at different institutions are identified by the same prefixes and same last three digits of the course number and are guaranteed to be transferable between participating institutions that offer the course, with a few exceptions. (Exceptions are listed below.)

For example, a survey course in social problems is offered by 34 different postsecondary institutions. Each institution uses "SYG_010" to identify its social problems course. The level code is the first digit and represents the year in which students normally take the course at a specific institution. In the SCNS taxonomy, "SYG" means "Sociology, General," the century digit "0" represents "Entry-level General Sociology," the decade digit "1" represents "Survey Course," and the unit digit "0" represents "Social Problems."

In the sciences and certain other areas, a "C" or "L" after the course number is known as a lab indicator. The "C" represents a combined lecture and laboratory course that meets in the same place at the same time. The "L" represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 2010. A student who has successfully complete SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university if the student transfers. The student cannot be required to take SYG 2010 again since SYG 1010 is equivalent to SYG 2010. Transfer credit must be awarded for successfully completed equivalent courses and used by the receiving institution to determine satisfaction of requirements by transfer students on the same basis

as credit awarded to the native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed that have not been designated as equivalent.

The Course Prefix

The course prefix is a three-letter designator for a major division of an academic discipline, subject matter area, or sub-category of knowledge. The prefix is not intended to identify the department in which a course is offered. Rather, the content of a course determines the assigned prefix to identify the course.

Authority for Acceptance of Equivalent Courses

Section 1007.24(7), Florida Statutes, states:

Any student who transfers among postsecondary institutions that are fully accredited by a regional or national accrediting agency recognized by the United States Department of Education and that participate in the statewide course numbering system shall be awarded credit by the receiving institution for courses satisfactorily completed by the student at the previous institutions. Credit shall be awarded if the courses are judged by the appropriate statewide course numbering system faculty committees representing school districts, public postsecondary educational institutions, and participating non-public postsecondary educational institutions to be academically equivalent to courses offered at the receiving institution, including equivalency of faculty credentials, regardless of the public or nonpublic control of the previous institution. The Department of Education shall ensure that credits to be accepted by a receiving institution are generated in courses for which the faculty possess credentials that are comparable to those required by the accrediting association of the receiving institution. The award of credit may be limited to courses that are entered in the statewide course numbering system. Credits awarded pursuant to this subsection shall satisfy institutional requirements on the same basis as credits awarded to native students.

Exceptions to the General Rule for Equivalency

The following courses are exceptions to the general rule for course equivalencies and may not transfer. Transferability is at the discretion of the receiving institution:

- Courses not offered by the receiving institution.
- For courses at non-regionally accredited institutions, courses offered prior to the established transfer date of the course in question.
- Courses in the _900-999 series are not automatically transferable, and must be evaluated individually. These include such courses as Special Topics, Internships, Practica, Study Abroad, Thesis and Dissertations.
- College preparatory and vocational preparatory courses.
- Graduate courses.
- Internships, practica, clinical experiences and study abroad courses with numbers other than those ranging from 900-999.
- Applied courses in the performing arts (Art, Dance, Interior Design, Music, and Theatre) and skills courses in Criminal Justice are not guaranteed as transferable.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to (Name of Statewide Course Numbering System Institution Contact) in the (Office where Institution Contact may be located) 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, SunCom 205-0427 or via the Internet 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 department(s) and/or program(s) offering that course subject. The departments/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 Communication
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	Physical Education
ARA	Arabic Language	Modern Languages and Linguistics
ARE	Art Education	Art Education
ARH	Art History	Art Art History Classics
ART	Art	Art
ASH	Asian History	Classics History
ASL	American Sign Language	Communication Disorders
ASN	Asian Studies	Asian Studies Russian and East European 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
BOT	Botany	Biological Science
BSC	Biological Sciences	Biological Science
BUL	Business Law	Risk Management/Insurance and Real Estate and Program in Business Law
CAP	Computer Application Development	Computer Science
CBH	Comparative Psychology and Animal Behavior	Psychology
CCE	Civil Construction Engineering	Civil and Environmental Engineering
CCJ	Criminology and Criminal Justice	Criminology and Criminal Justice
CDA	Computer Design/Architecture	Computer Science
CEG	Civil Geotechnical Engineering	Civil and Environmental Engineering
CEN	Computer Software Engineering	Computer Science
CES	Civil Engineering Structures	Civil and Environmental Engineering
CGN	Civil Engineering	Civil and Environmental Engineering
CGS	Computer General Studies	Childhood Education, Reading, and Disability Services Communication Disorders Computer Science Educational Leadership and Policy Studies Management Information Systems Family and Child Sciences
CHD	Child Development	Family and Child Sciences
CHI	Chinese	Modern Languages and Linguistics
CHM	Chemistry	Chemistry and Biochemistry
CHS	Chemistry: Specialized	Chemistry and Biochemistry
CHT	Chinese Literature in Translation	Modern Languages and Linguistics
CIS	Computer Science and Information Systems	Computer Science
CJC	Corrections	Criminology and Criminal Justice
CJE	Law Enforcement	Criminology and Criminal Justice
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	Textiles and Consumer Sciences
COM	Communication	Communication
COP	Computer Programming	Computer Science
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	Textiles and Consumer Sciences Interior Design
CWR	Civil Water Resources	Civil and Environmental Engineering
CZE	Czech Language	Modern Languages and Linguistics
DAA	Dance, Emphasis on Activities	Dance

DAE	Dance Education	Dance Sport Management, Recreation Management and Physical Education	EGN	Engineering: General	Chemical and Biomedical Engineering Civil and Environmental Engineering Electrical and Computer Engineering Industrial Engineering Mechanical Engineering Statistics
DAN	Dance	Dance	EIN	Industrial Engineering	Industrial Engineering
DEM	Demography	Sociology	ELD	Education: Specific Learning Disabilities	Childhood Education, Reading, and Disability Services
DEP	Developmental Psychology	Educational Psychology and Learning Systems Psychology	EMA	Materials Engineering	Industrial Engineering Mechanical Engineering
DIE	Dietetics	Nutrition, Food and Exercise Sciences	EME	Education: Technology and Media	Childhood Education, Reading, and Disability Services Educational Leadership and Policy Studies Educational Psychology and Learning Systems
DIG	Digital Media	Art	EML	Engineering: Mechanical	Mechanical Engineering
EAB	Experimental Analysis of Behavior	Psychology	EMR	Education: Mental Retardation	Childhood Education, Reading, and Disability Services
EAP	English as a Second Language for Academic Purposes	English Middle and Secondary Education	ENC	English Composition	English
EAS	Aerospace Engineering	Mechanical Engineering	ENG	English: General	English
EBD	Education: Emotional/Behavioral Disorders	Childhood Education, Reading, and Disability Services	ENL	English Literature	English
ECH	Engineering: Chemical	Chemical and Biomedical Engineering	ENV	Engineering: Environmental	Civil and Environmental Engineering
ECO	Economics	Economics	ESC	Earth Science	Geological Sciences Meteorology Oceanography
ECP	Economic Problems and Policy	Economics Finance	ESI	Industrial/Systems Engineering	Industrial Engineering
ECS	Economic Systems and Development	Economics	EUH	European History	Classics History
EDA	Education: Administration	Educational Leadership and Policy Studies	EUS	European Studies	Russian and East European Studies
EDE	Education: Elementary	Childhood Education, Reading, and Disability Services	EVI	Education: Visually Impaired-Blind	Childhood Education, Reading, and Disability Services
EDF	Education: Foundations and Policy Studies	Educational Leadership and Policy Studies Educational Psychology and Learning Systems Middle and Secondary Education	EVT	Education: Vocational/Technical	Educational Leadership and Policy Studies
EDG	Education: General	Childhood Education, Reading, and Disability Services Educational Leadership and Policy Studies Educational Psychology and Learning Systems Middle and Secondary Education	EXP	Experimental Psychology	Psychology
EDH	Education: Higher	Educational Leadership and Policy Studies	FAD	Family Development	Family and Child Sciences
EDM	Education: Middle School	Educational Leadership and Policy Studies Middle and Secondary Education	FIL	Film	Communication Motion Picture, Television, and Recording Arts
EDP	Educational Psychology	Educational Psychology and Learning Systems	FIN	Finance	Finance Multinational Business Operations
EDS	Education Supervision	Childhood Education, Reading, and Disability Services Educational Leadership and Policy Studies	FLE	Foreign Language Education	Classics Middle and Secondary Education
EEC	Education: Early Childhood	Childhood Education, Reading, and Disability Services	FOL	Foreign and Biblical Languages	Modern Languages and Linguistics
EEE	Engineering: Electrical and Electronic	Electrical and Computer Engineering	FOS	Food Science	Nutrition, Food and Exercise Sciences
EEL	Engineering: Electrical	Electrical and Computer Engineering	FOW	Foreign and Biblical Languages, Comparative Literature (Writings)	Modern Languages and Linguistics
EES	Environmental Engineering Science	Civil and Environmental Engineering	FRE	French Language	Modern Languages and Linguistics
EEX	Education: Exceptional Child-Core Competencies	Childhood Education, Reading, and Disability Services	FRT	French in Translation and/or Translation Skills	Modern Languages and Linguistics
EGI	Education: Gifted	Childhood Education, Reading, and Disability Services	FRW	French Literature (Writings)	Modern Languages and Linguistics
EGM	Engineering Science	Mechanical Engineering	FSS	Food Service System	Hospitality Nutrition, Food and Exercise Sciences
			GEA	Geography: Regional Areas	Geography

GEB	General Business	Accounting Entrepreneurship and Small Business Management Finance Management Management Information Systems Marketing	ITA	Italian Language	Modern Languages and Linguistics
GEO	Geography: Systematic	Geography	ITT	Italian Literature in Translation	Modern Languages and Linguistics
GER	German	Modern Languages and Linguistics	ITW	Italian Literature (Writings)	Modern Languages and Linguistics
GET	German Literature in Translation	Modern Languages and Linguistics	JPN	Japanese	Modern Languages and Linguistics
GEW	German Literature (Writings)	Modern Languages and Linguistics	JPT	Japanese Literature in Translation	Modern Languages and Linguistics
GFD	Geophysical Fluid Dynamics	Geophysical Fluid Dynamics	KOR	Korean Language and Literature	Modern Languages and Linguistics
GIS	Geographic Information Systems	Geography	LAE	Language Arts and English Education	Childhood Education, Reading, and Disability Services English Middle and Secondary Education
GLY	Geology	Geological Sciences	LAH	Latin American History	History
GMS	Graduate Medical Sciences	Medicine	LAS	Latin American Studies	Latin American and Caribbean Studies
GRA	Graphic Arts	Art	LAT	Latin (Language Study)	Classics
GRE	Classical Greek (Language Study)	Classics	LAW	Law	Law
GRW	Classical Greek Literature (Writings)	Classics	LEI	Leisure	Sport Management, Recreation Management and Physical Education
HBR	Modern Hebrew Language	Modern Languages and Linguistics Religion	LIN	Linguistics	Anthropology Communication Disorders English Middle and Secondary Education Modern Languages and Linguistics
HEE	Home Economics Education	Family and Child Sciences Textiles and Consumer Sciences	LIS	Library and Information Studies	Childhood Education, Reading, and Disability Services Information Studies
HFT	Hospitality Management	Hospitality Management	LIT	Literature	English
HHD	Housing and Home Design	Textiles and Consumer Sciences	LNW	Latin Literature (Writings)	Classics
HIS	General History and Historiography	History	MAA	Mathematics: Analysis	Mathematics
HME	Home Economics: Home Management and Equipment	Textiles and Consumer Sciences	MAC	Mathematics: Calculus and Precalculus	Mathematics
HOE	Home Economics: General	Family and Child Sciences Textiles and Consumer Sciences	MAD	Mathematics: Discrete	Mathematics
HSC	Health Sciences	Health Policy Research Middle and Secondary Education Nutrition, Food and Exercise Sciences	MAE	Mathematics Education	Childhood Education, Reading, and Disability Services Mathematics Middle and Secondary Education
HUM	Humanities	Humanities	MAN	Management	Finance Management Marketing Multinational Business Operations
HUN	Human Nutrition	Nutrition, Food and Exercise Sciences	MAP	Mathematics: Applied	Mathematics Meteorology Oceanography
IDS	Interdisciplinary Studies	Childhood Education, Reading, and Disability Services	MAR	Marketing	Marketing Multinational Business Operations
IHS	Interdisciplinary Health Sciences	Medicine	MAS	Mathematics: Algebraic Structures	Mathematics
IND	Interior Design	Interior Design	MAT	Mathematics	Mathematics
INP	Industrial and Applied Psychology	Psychology	MCB	Microbiology	Biological Science
INR	International Relations	International Affairs Political Science	MEL	Medical Science Electives	Medicine
ISC	Interdisciplinary Sciences	Biological Science Chemistry and Biochemistry Computational Science Meteorology Oceanography Psychology	MET	Meteorology	Meteorology
ISM	Information Systems Management	Management Information Systems	MGF	Mathematics: General and Finite	Mathematics
ISS	Interdisciplinary Social Sciences	Social Science	MHF	Mathematics: History and Foundations	Mathematics
			MHS	Mental Health Services	Childhood Education, Reading, and Disability Services Educational Psychology and Learning Systems

MMC	Mass Media Communication	Communication	PEO	Physical Education Activities (Professional): Land-Object Centered	Sport Management, Recreation Management and Physical Education
MOB	Molecular Biophysics	Molecular Biophysics	PEP	Physical Education Activities (Professional): Land-Performance Centered	Sport Management, Recreation Management and Physical Education
MSL	Military Science and Leadership	Military Science	PET	Physical Education Theory	Educational Psychology and Learning Systems Nutrition, Food and Exercise Sciences Sport Management, Recreation Management and Physical Education
MTG	Mathematics: Topology and Geometry	Mathematics	PGY	Photography	Art
MUC	Music: Composition	Music	PHC	Public Health Concentration	Health Policy Research
MUE	Music Education	Music	PHH	Philosophy, History of	Philosophy
MUG	Music: Conducting	Music	PHI	Philosophy	Philosophy Religion
MUH	Music: History/Musicology	Music	PHM	Philosophy of Man and Society	Philosophy Political Science
MUL	Music Literature	Music	PHP	Philosophers and Schools	Philosophy
MUM	Music: Commercial/Management/Administration	Music	PHY	Physics	Chemical Physics Physics
MUN	Music Ensembles	Music	PHZ	Physics: Continued	Physics
MUO	Music: Opera/Music Theatre	Music	POR	Portuguese Language	Modern Languages and Linguistics
MUR	Music: Church	Music	POS	Political Science	Political Science Public Administration and Policy
MUS	Music	Music	POT	Political Theory	Political Science
MUT	Music: Theory	Music	POW	Portuguese Literature (Writings)	Modern Languages and Linguistics
MUY	Music: Therapy	Music	PPE	Personality	Psychology
MVB	Applied Music: Brasses	Music	PRT	Portuguese in Translation	Modern Languages and Linguistics
MVH	Historical Instruments	Music	PSB	Psychobiology	Biological Science Educational Psychology and Learning Systems Psychology
MVJ	Applied Music: Jazz	Music	PSC	Physical Sciences	Chemistry and Biochemistry Physics
MVK	Applied Music: Keyboard	Music	PSY	Psychology	Psychology
MVO	Applied Music: Other Instruments	Music	PUP	Public Policy	Political Science
MVP	Applied Music: Percussion	Music	PUR	Public Relations	Communication
MVS	Applied Music: Strings	Music	QMB	Quantitative Methods in Business	Finance Management Information Systems Marketing Statistics
MVV	Applied Music: Voice	Music	RCS	Rehabilitation Counseling Services	Childhood Education, Reading, and Disability Services
MVW	Applied Music: Woodwinds	Music	RED	Reading	English
NGR	Nursing: Graduate	Nursing	RED	Reading Education	Childhood Education, Reading, and Disability Services Middle and Secondary Education
NUR	Nursing: Generic Undergraduate	Nursing	REE	Real Estate	Risk Management/Insurance and Real Estate and Program in Business Law
OCB	Biological Oceanography	Oceanography	REL	Religion	Religion
OCC	Chemical Oceanography	Oceanography	RMI	Risk Management/Insurance	Risk Management/Insurance and Real Estate and Program in Business Law
OCE	General Oceanography	Oceanography	RTV	Radio-Television	Communication
OCG	Geological Oceanography	Oceanography	RUS	Russian Language	Modern Languages and Linguistics
OCP	Physical Oceanography	Mathematics Meteorology Oceanography	RUT	Russian Literature in Translation	Modern Languages and Linguistics
ORI	Oral Interpretation	Communication			
PAD	Public Administration	Public Administration and Policy			
PAX	Peace Studies	International Affairs			
PCB	Process Biology	Biological Science			
PCO	Psychology for Counseling	Educational Psychology and Learning Systems			
PEL	Physical Education Activities (General): Land-Object Centered	Sport Management, Recreation Management and Physical Education			
PEM	Physical Education Activities (General): Land-Performance Centered	Sport Management, Recreation Management and Physical Education			
PEN	Physical Education Activities (General): Water, Snow, Ice	Oceanography Sport Management, Recreation Management and Physical Education			

RUW	Russian Literature (Writings)	Modern Languages and Linguistics	URP	Urban and Regional Planning	Urban and Regional Planning
SCE	Science Education	Biological Science Chemistry and Biochemistry Childhood Education, Reading, and Disability Services Meteorology Middle and Secondary Education	URS	Urban and Regional Studies	Urban and Regional Planning
SCW	Serbo-Croatian Literature (Writings)	Modern Languages and Linguistics	WOH	World History	History
SDS	Student Development Services	Educational Leadership and Policy Studies Educational Psychology and Learning Systems	WST	Women's Studies	Women's Studies
SEC	Serbo-Croatian Language	Modern Languages and Linguistics	ZOO	Zoology	Biological Science
SED	Speech Education	Communication			
SLL	Slavic Languages	Modern Languages and Linguistics			
SLS	Student Life Skills (Learning)	Student Life Skills			
SOP	Social Psychology	Psychology			
SOW	Social Work	Social Work			
SPA	Speech Pathology and Audiology	Communication Disorders			
SPC	Speech Communication	Communication			
SPM	Sports Management	Sport Management, Recreation Management and Physical Education			
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	Childhood Education, Reading, and Disability Services Middle and Secondary 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	Childhood Education, Reading, and Disability Services Middle and Secondary Education			
TTE	Transportation Engineering	Civil and Environmental Engineering			

ACADEMIC DEPARTMENTS AND PROGRAMS

Department of ACCOUNTING

COLLEGE OF BUSINESS

Chair: Bud Fennema; **Professors:** Hillison, R.C. Icerman; **Associate Professors:** Atwood, Bathke, Billings, Bowen, Dusenbury, Fennema, Gerard, Heflin, J. Icerman, Morton, Paterson, Stevens; **Assistant Professors:** Blay, Hobson, Huston, Lulseged; **Associates in Accounting:** Greenberg, Pierno, Sudano; **Executive-in-Residence:** Woodward; **Andersen Professors:** Hillison, Paterson; **Deloitte Professor:** Morton; **Ernst and Young Professor:** Fennema; **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 sit for the Certified Public Accountant Examination 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 of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X001 and ACG X011
2. ACG X071 (will count toward the degree as elective hours for transfer students; native students are encouraged to take another non-accounting elective)
3. CGS X100*
4. ECO X013
5. ECO X023
6. MAC X233
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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) the general business core requirements for accounting majors; 4) the general business breadth requirements for accounting majors; and 5) the major area requirements for accounting majors. To be eligible to pursue an accounting major, students must meet the admission requirements of 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 (4) 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 five (5) 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)
ISM	3003	Foundations of Management Information Systems (3)
QMB	3200	Quantitative Methods for Business Decisions (3)

Plus two (2) electives from the following list of courses:

HFT	3240	Managing Service Organizations (3)
MAN	3504	Services Operations Management (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 ten (10) courses listed below. In addition, accounting majors must complete a total of ninety (90) 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 with a grade of “B” or better (“B–” is not acceptable). A grade of “C–” or better must be earned in all required upper-level accounting courses and BUL 3330. 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 I (3)
ACG	3351	Cost Accounting II (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 (4)
BUL	3350	Uniform Commercial Code Business Law Problems (3)
TAX	4001	Federal Tax Accounting I (3)

Definition of Prefixes

ACG	—Accounting: General
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). Introduction to financial accounting concepts. Financial statements and how they reflect business transactions are emphasized.

ACG 2071. Introduction to Managerial Accounting (3). Prerequisite: ACG 2021 with a grade of “C-” or better. An introduction to managerial accounting concepts. Credit not allowed for accounting majors.

ACG 3101. Financial Accounting and Reporting I (3). Prerequisite: ACG 2021 with a grade of “B” or better. In-depth study of financial reporting concepts and generally accepted practice including an overview of the accounting cycle, current liabilities, current and noncurrent assets. Emphasis 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. 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 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. Analysis of the assumptions and procedures underlying financial statements. 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. Study of techniques of cost accounting and cost analysis for various business decisions. Credit not allowed for accounting majors.

ACG 3341. Cost Accounting I (3). Prerequisites: ACG 2021 with a grade of “B” or better, MAC 2233, and QMB 3200. Planning and control of economic entities through cost-volume-profit relationships, job order, process and standard cost accounting. The relationship of accounting systems to decision making is emphasized.

ACG 3351. Cost Accounting II (3). Prerequisite: ACG 3341 with a grade of “C-” or better. Planning and control of economic entities through direct and relevant costing, inventory management, decentralized operations, capital budgeting, and quantitative techniques. The relationship of accounting systems to decision making is emphasized.

ACG 3949. Cooperative Education Work Experience (0). (S/U grade only.)

ACG 4201. Financial Accounting and Reporting III (3). Prerequisites: ACG 3111 with a grade of “C-” or better and CGS 2100. In-depth study of financial reporting concepts and generally accepted practice for investments, business combinations, consolidated enterprises, and foreign operations and the statement of cash flows. Emphasis on analyzing financial event 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 2100. An introduction to manual and computerized accounting information systems. Transaction cycles, internal controls, and flowcharting are emphasized.

ACG 4501. Accounting for Governmental and Not-for-Profit Entities (3). Prerequisite: ACG 3111 with a grade of “C-” or better. 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. 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. 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 up to five times.

ACG 4930r. Special Topics in Accounting (1-3). Prerequisite: Instructor permission. Content varies to provide an opportunity to study current issues in accounting and topics not offered in other courses. May be repeated with a change in content to a maximum of twelve (12) semester hours.

ACG 4970r. Honors Thesis (1-6). Prerequisite: Admission to the honors program. Six (6) semester hours of thesis are required to complete honors in the major. May be repeated to a maximum of nine (9) semester hours.

TAX 4001. Federal Tax Accounting I (3). Prerequisite: ACG 3101 with a grade of “C-” or better. Concepts and methods of determining income of individuals for tax purposes; interpretation of Internal Revenue Code, related regulations, and judicial cases.

TAX 4011. Federal Tax Accounting II (3). Prerequisite: TAX 4001 with a grade of “C-” or better. Concepts and methods of determining income of corporations, partnerships, estates, and trusts for tax purposes; interpretation of the Internal Revenue Code, related regulations and judicial cases. Subsequent credit for TAX 5015 is not permitted.

Graduate Courses

- ACG 5026.** Financial Reporting and Managerial Control (4).
ACG 5135. Financial Accounting Theory and Standard Setting (3).
ACG 5308. Accounting Concepts for Managerial Control (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. Seminar in Partnership Taxation (3).
TAX 5405. Seminar in Federal Taxation of Estates and Gifts (3).
TAX 5875r. Special Topics in Taxation (1-3).

Program in ACTUARIAL SCIENCE

COLLEGE OF ARTS AND SCIENCES

Coordinators: Steve Paris (Mathematics); **Advisory Committee:** Case (Mathematics); Beaumont, Benson (Economics); Whalley (Computer Science); Carson, 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 society Validation by Educational Experience credit areas are approved to provide FSU students an opportunity to advance their careers through their regular study.

Students in the program are also assisted in moving forward professionally through tutorials in preparation for national actuarial examinations and by guest lecturers who are actuaries discussing the varied available employment. For statewide common course prerequisites and curriculum information, please see the "Department of Mathematics" chapter in this *General Bulletin* and the departmental Web site at <http://www.math.fsu.edu>.

ADULT EDUCATION:

see **Educational Leadership and Policy Studies; Educational Psychology and Learning Systems**

ADVERTISING:

see **Communication**

AEROSPACE ENGINEERING:

see **Mechanical Engineering**

Department of AEROSPACE STUDIES

AIR FORCE ROTC COLLEGE OF ARTS AND SCIENCES

Professor: Colonel Jeff Spraggins; **Assistant Professors:** Major Paulsen, Captain Haynes, Captain Guy

The Department of Aerospace Studies provides precommissioning education for qualified students who desire to serve on active duty as commissioned officers in the United States Air Force. The department offers two-and-a-half- and four-year commissioning programs, each with its own requirements and advantages. The two-and-a-half-year program allows transfer students and other high-quality students with two academic years remaining, either in undergraduate or graduate status, and who have met the five (5) required qualifications, to obtain an Air Force commission while completing their studies. 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. Students are invited to e-mail, visit, call the Department of Aerospace Studies (850) 644-3461, or visit our Web page at <http://www.fsu.edu/~rotc> to obtain additional information.

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 the Air Force Officer Qualifying Test
2. Pass a military physical examination
3. Pass the three-event physical fitness test
4. Pass height/weight standards
5. Have a 2.5 GPA or higher

Note: These must be completed satisfactorily **before** consideration for financial assistance can occur.

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 (2) hours each week. All uniforms and equipment required for cadet activities are furnished.

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 \$250.00–\$400.00. Tuition assistance is possible but not guaranteed. It is awarded on a competitive basis.

AFROTC College Scholarship Programs

Financial assistance may be available in the form of AFROTC academic scholarships. Under this program, the Air Force pays for full tuition and fees and provides an allowance for books, supplies, and equipment. Scholarships may be awarded for up to three and one-half (3.5) years. Four-year scholarships must be applied for by December 1 in the year prior to enrollment as a freshman. Other scholarships are available after enrolling in aerospace studies courses. Scholarships are available for students attending Florida A&M University (FAMU), a historically black university, if the student has a 2.50 or higher cumulative GPA.

Field Training

Cadets in the two-year program must complete a six-week field training course before they may formally enroll in the professional officer course. This course includes career training, physical conditioning, and the general military course academics. Academic credit for up to four (4) semester hours may be given for cadets attending a six-week field training and who have not previously completed AFR 1101, 1102, 2130, and 2140. See the Professor of Aerospace Studies for further information and to apply for the credit.

Cadets enrolled in the four-year AFROTC program 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 active Air Force bases. 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 nonflyers, 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 (12) 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 the FSU/FAMU/TCC/ERAU AFROTC Silver Eagles Drill Team, an armed precision drill unit. 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, and team building skills.

AFR 1102. USAF General Purpose and Support Forces (1). This course is a continuation of AFR 1101.

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.

AFR 2940. Basic Aerospace Internship (4). (S/U grade only.) (AFROTC Field Training.) Prerequisites: selection for the two-year AFROTC program and permission of the professor of aerospace studies.

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). Continuation of the study of leadership and management begun in AFR 3201.

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. 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

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, 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 (15) 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 (18) semester hours with and a cumulative grade point average (GPA) of 2.0 in all course work and a grade of "C-" or better in each course. The minor is to be structured as follows:

- Completion of nine (9) hours in African-American Studies, including the core sequence:

AFA 2000	Introduction to the African-American Experience (3)
AND	
AFA 3101	Black Families in America (3)
OR	
SYD 4700	Race and Minority Group Relations (3)
AND	
ANT 4352	Peoples and Cultures of Africa (3)
OR	
SOP 3782	Psychology of the African-American (3)
- At least three (3) hours of African or African-American History
- At least six (6) 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 (36) 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 (9) hours from African-American Studies core courses, six (6) hours of either African or African-American history, and twenty-one (21) hours of elective courses from a chosen specialty area. Students must have a cumulative grade point average (GPA) of 2.0 in all course work for the major and a grade of "C-" or better in each course.

Core Course Requirements

Students must complete nine (9) 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

SOP 3782 **Psychology of the African-American (3)**

History Requirement

Completion of six (6) hours in African and/or African-American history courses selected from the following:

- | | |
|------------------|--|
| 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 (21) hours of coursework from the following set of courses. Students should consult with their academic adviser for necessary prerequisite coursework.

- Required courses (six [6] 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 [9] 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 [6] hours) selected from the approved African-American Studies supplementary course list.

Political Science Specialty

The political science specialty consists of twenty-one (21) hours of course work from the following set of courses. Students should consult with their academic adviser for necessary prerequisite coursework.

- Required course (three [3] hours):

POS 3713	Research Methods in Political Science (3)
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- Additional specialty courses (twelve [12] 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 [6] hours) selected from the approved African-American Studies supplementary course list.

Sociology Specialty

The sociology specialty consists of twenty-one (21) hours of coursework from the following set of courses. Students should consult with their academic adviser for necessary prerequisite coursework.

- Required courses (six [6] hours):

SYA 4010	Sociological Theory (3)
SYA 4400	Social Statistics (3)
- Additional specialty courses (six [6] 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)

3. Supplementary courses: (six [6] hours) selected from the approved African-American Studies supplementary course list

Bachelor of Arts (BA) Track Requirements

Completion of the foreign language requirement 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 (21) hours from the following set of courses. Students should consult with their academic adviser for necessary prerequisite coursework.

- Humanities specialty courses (fifteen [15] 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 3680	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)
PHM 2121	Philosophy of Feminism (3)
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 [6] hours) selected from the approved African-American Studies supplementary course list below:

African-American Studies Supplementary Course List

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	Black Studies Directed Individual Study (1-3)

Anthropology

ANT 4352	Peoples and Culture of Africa (3)
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Art History

ARH 4118	Archaeology of Ancient Egypt (3)
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Communications

SPC 4710	Interracial/Intercultural Communication (3)
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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)
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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 Feminism (3)
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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)
URP 4741	Introduction to Issues in Housing and Community Development (3)

Psychology

SOP 3782	Psychology of the African-American (3)
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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	The Community in Urban 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)

Textiles and Consumer Sciences

HHD 2152	Multicultural Perspectives in Residential Environments (3)
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Urban and Regional Planning

URP 4741	Introduction to Issues in Housing and Community Development (3)
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*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). 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). 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). Varies with instructor, and semester. May be repeated to a maximum of nine (9) semester hours.

AFA 4905r. African-American Studies Directed Individual Study (1–4). May be repeated during the same semester.

Certificate Program in the PEPPER INSTITUTE ON AGING AND PUBLIC POLICY

COLLEGE OF SOCIAL SCIENCES

Director and Rod and Hope Brim Eminent Scholar: David Macpherson (Economics); **Mildred and Claude Pepper Eminent Scholar:** Quadagno (Sociology); **Professors:** Barrilleaux (Political Science), Bourgeois (Communication Disorders), Brummel-Smith (Medicine), Charness (Psychology), Fournier (Economics), Weissert (Political Science); **Associate Professor:** Reynolds (Sociology); **Assistant Professors:** Barrett (Sociology), Bokhari (Economics), Rohlinger (Sociology); **Affiliates:** Brooks, Cowart, Ebener, Ferris, Hinterlong, Kelley, LaPointe, Licht, D. Lloyd, J. Lloyd, Miles, Munn, Nilsson, Ohlin, Ouimet, Panton, Pomidor, Sachs-Ericsson, Taylor, Vinton, Wolfson

The Pepper Institute on Aging and Public Policy has a multidisciplinary focus and plays a coordinating and facilitating role for the work in all academic units with interests in aging and social policy. As an internationally recognized site of multidisciplinary research, the institute reflects many of the strengths of Florida State University. The institute supports a rigorous research program that mirrors the interests of faculty and their contributions to health policy, health care, and health financing; retirement, pensions, and income inequality; family structure, care-giving, and end-of-life issues; social welfare policy; and the special concerns of older women and minority group members. The institute also sponsors an exceptional educational outreach program for mature adults, the Academy at FSU. As part of the broader University community, the Pepper Institute seeks to teach each new generation the importance of learning as a life-long activity and the value of service to others. The Pepper Institute offers an undergraduate and graduate Certificate in Aging Studies that can be completed by any student in the University. Application to the program is made to the Pepper Institute on Aging and Public Policy. For more information, contact Susan Lampman at slampman@fsu.edu.

Requirements for the undergraduate Certificate in Aging Studies include a three (3) semester hour internship (ISS 4944r Practicum in Aging Studies) enabling students to gain experience in a setting associated with services for the elderly, and the completion of an additional nine (9) semester hours of course work in aging from the list of approved courses.

Selected Course Offerings

DEP 4404	Psychology of Aging (3) [Prerequisite: PSY 2012]
ECP 3530	Economics of Health (3)
HFT 3272	Senior Services Management (3)
ISS 4931	Special Topics [Aging Studies] (1-3)
ISS 4944r	Internship [Practicum in Aging Studies] (3-6)
NUR 3195	The Individual, Death, and the Family (2)
NUR 3286	Nursing the Aging Family (3)
PSB 4641	Pain and Suffering (3)
PSY 4930r	Special Topics In Psychology [Successful Aging] (3)
RCS 4930r	Special Topics in Rehabilitation Counseling [Social Psychology of Aging] (1-4)
REL 3191	Death and Dying (3)
SOW 4645	Aging and Old Age: Social Work with the Aged (3)
SOW 4935r	Seminar in Social Work: Selected Topics [Aging] (3)
SPA 4411	Acquired Language Disorders (3)
SYA 4930	Selected Topics in Sociology [Law and Ethics of Caregiving] (3)
SYP 3730	Aging and The Life Course (3)
URP 4523	Introduction to Health Planning (3)
URP 4531	Policy and Planning for the Aged (3)
URP 4936	Special Topics in Urban and Regional Planning [Regulatory Aspects of Health Care] (3)

Students will be able to choose from a diverse selection of courses, depending on a selected focus, for nine (9) of the twelve (12) hours. The final three (3) hours will consist of a required internship, ISS 4944 Practicum in Aging Studies. Students must receive permission from the Pepper Institute on Aging Education Director to complete this course. The Institute offers a graduate Certificate in Aging Studies. For details, please refer to the *Graduate Bulletin*. Other opportunities for concentrated study in aging are available by earning a minor in aging in conjunction with another discipline. A minor in aging studies shall consist of at least twelve (12) semester hours from the approved list of courses offered in conjunction with the interdisciplinary aging program through the College of Social Sciences with a grade of "C-" or better. Utilizing

the resources of a number of departments and programs, this minor allows the student to study aging research, policies, and services from an interdisciplinary perspective.

**AIR FORCE ROTC:
see Aerospace Studies**

Program in AMERICAN AND FLORIDA STUDIES

COLLEGE OF ARTS AND SCIENCES

Department Chair: Dr. David Johnson; **Advisory Committee:** Bearor (Art History), Davis (History), Jumonville (History), Moore (English), Wiegand (College of Information)

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 is 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.

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, 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 (30) 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 (9) semester hours in American studies courses, including a special topics course, and at least three (3) semester hours in each of the areas of study listed below. No more than twelve (12) 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 (6) 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 (12) 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 (12) semester hours of course work toward the major with a GPA of 3.5 in that course work, and completed at least sixty (60) semester hours at Florida State University with a GPA of 3.0. Transfer students must have completed at least two semesters and twenty-four (24) 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 course work 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.)

AMS 3310r. Changing Concepts of the American Character (3). A study of American culture and values. May be repeated to a maximum of six (6) semester hours.

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 (6) semester hours.

AMS 3932r. Lecture Series in American Problems (3). May be repeated to a maximum of six (6) semester hours.

AMS 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

AMS 4905r. Directed Individual Study (1–3). May be repeated to a maximum of six (6) semester hours.

AMS 4913r. Honors Work (1–6). May be repeated to a maximum of nine (9) semester hours.

AMS 4935r. Senior Seminar (3). May be repeated to a maximum of six (6) semester hours.

AMS 4941r. Internship in an Approved American Studies Field (3–9). (S/U grade only.) Must have completed one full semester of major courses [twelve (12) credit hours or more] before registering for internship. May be repeated to a maximum of nine (9) 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 course work for thesis, dissertation, and master’s examination and defense, consult the *Graduate Bulletin*.

Department of ANTHROPOLOGY

COLLEGE OF ARTS AND SCIENCES

Chair: TBA; **Professors:** Doran, Falk, Marlowe, Pohl; **Associate Professors:** Marrinan, Parkinson, Peters, Schepartz, Uzendowski, Ward; **Assistant Professors:** Hellweg; **Professors Emeriti:** Grindal, Ho, Paredes; **Courtesy Professor:** Pullen

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 subdisciplines. 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 undergraduate major provides a rigorous course of study intended to prepare students for graduate study in any one of the subfields of anthropology. The major also provides 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 anthropology majors 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 detailed information about the anthropology major and the department, 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. Two introductory courses for six (6) semester hours in anthropology (ANT prefix). See the department for details.

Requirements for a Major in Anthropology

Please review all college-wide requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*. For the Bachelor of Science (BS) degree in anthropology, the requirements listed below, along with the requirements of the College of Arts and Sciences, must be fulfilled. Of the upper division hours (3000 and 4000-level classes), nine (9) semester hours in the humanities and history are required for the Bachelor of Arts (BA) degree.

Major

To complete a BA or BS degree with a major in anthropology, a student must take, in addition to other college requirements, thirty-two (32) semester hours of anthropology courses, including the following: ANT 2100, 2100L, 2410, 2511, 2511L, and 3610, and fifteen (15) semester hours of work at the 4000

level of which ANT 4034 (History of Anthropology) must be included. No more than three (3) 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 (15) semester hours of work at the 4000 level, except upon approval of a petition 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-two (32) semester hours in the department, but no more than three (3) semester hours of LIN courses will be counted toward completion of the specific requirement of fifteen (15) semester hours of work at the 4000 level. No anthropology course for which the student receives a grade below "C-" may be counted toward satisfaction of the major requirements.

Minor

The anthropology department requires the completion of a minor of twelve (12) semester hours in a related department or program. Courses in which a student receives a grade below "C-" will not be counted toward the minor.

Honors

The Department of Anthropology 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*, or visit <http://www.anthro.fsu.edu>.

Requirements for a Minor in Anthropology

Twelve (12) 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). 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). The 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 2585. 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).** This fundamentals 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).** 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 3610. Language and Culture (3).** An introduction to and examination of human language, its relation to perception and cognition, and its role in social interaction. This will include verbal as well as nonverbal communication modes, their variety and complexity, the evolution of language, and language change.
- ANT 3740. 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 4034. History of Anthropology (3).** This is a survey course 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 4082. Technology and Social Change (3).** This course introduces students to anthropological approaches to the study of technology. The goal is to explore the systemic relationship between technological developments and economics, politics, and social structure both in the past and present.
- ANT 4122. Wetlands Archaeology (3).** 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 4125. Paleonutrition (3).** Methods in reconstruction of past economic behavior/diet. Includes lab work in identification/analysis of faunal remains.
- ANT 4133. Introduction to Underwater Archaeology (3).** 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).** Students will study 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).** In this course, students will study 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).** 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).** 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).** 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).** 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).** Each topic focuses on a regional civilization of ancient Mesoamerica (such as Maya, Olmec, or Mixtec). 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 (9) semester hours.
- ANT 4167. Maya Hieroglyphic Writing (3).** This course presents the principles of classic Maya hieroglyphic writing, its history, and methods of its decipherment. Classic Maya mathematics are also introduced, as are calendrics and astronomy, Maya grammar and text structure, and a survey of monumental texts from selected sites.
- ANT 4175. Archaeology of the Islamic World (3).** 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 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 (9) semester hours.
- ANT 4241. Anthropology of Religion (3).** 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).** 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 4269. Economic and Ecological Approaches in Anthropology (3).** Seminar on current literature and theories in ecological and economic anthropology, including debate between cultural ecologists and structural Marxists, and between archaeology and related disciplines (landscape geography, social anthropology). Selected topics related to consumption, commodities, exchange, and gender.
- 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).** 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).** 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. 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).** A survey of African peoples and cultures, emphasizing the sub-Saharan region. Topics to be studied include geography, prehistory, history, religion, political economy, kinship, gender, and marriage. 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 4465. 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 4552. Primate Behavior (3).** Prerequisite: ANT 2511 or instructor permission. Introduces the substantial scholarly literature on the behavior and ecology of free-ranging prosimians, monkeys, and apes. Anthropological applications of recent findings will be emphasized.
- ANT 4553. The Great Apes (3).** Prerequisite: ANT 2511 or instructor permission. Focuses on the behavior and ecology of the large-bodied, non-human hominoids: chimpanzees, bonobos, gorillas, and orangutans. Introduces the complexities involved in using this evidence to draw conclusions about human evolution.

ANT 4563. The Anthropology of Infancy (3). Prerequisite: ANT 2511 or instructor permission. An overview of human nature during this early phase of the life cycle. Uses data and theory from biological anthropology, primate ethology, evolutionary psychology, and sociocultural anthropology to provide a nontraditional perspective on human development and its interface with the caretaking behavior of adults.

ANT 4586. Human Evolution (3). Prerequisite: ANT2511 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). 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 4835. Anthropological Fieldwork: Underwater Archaeology (6). Prerequisite: ANT 4824. An introduction to the specialized methods and concepts of underwater archaeology. Successful completion of a certified divers program will be required of all students who wish to enter underwater environments. The course consists of both lecture and field sessions with reading assignments in selected texts. Specialists in various related disciplines will give presentations to the class as the course progresses. The field sessions will be at selected sites in the state of Florida and adjoining areas, and will involve diving activities at prehistoric Indian sites and/or shipwreck locations in Florida waters.

ANT 4907r. Directed Independent Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

ANT 4914r. Honors Work (1–3). May be repeated to a maximum of nine (9) semester hours.

ANT 4930r. Special Topics in Anthropology (1–3). Specialized subjects and topics in anthropology. Topics may vary. May be repeated to a maximum of nine (9) semester hours when topics vary. May be repeated in 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 5001.** Proseminar (1). (S/U grade only.)
ANG 5091. Seminar in Research Methods (3).
ANG 5115. Seminar in Archaeological Method and Theory (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 5136. Ship Construction: Dugouts to Steamboats (3)
ANG 5137. Nautical Archaeology: Global View (3).
ANG 5138. Ship Research and Reconstruction (3).
ANG 5145. Origins of Complex Society (3).
ANG 5155. Archaeology of the Southeastern United States (3).
ANG 5169r. Regional Civilizations in Ancient Mesoamerica (3).
ANG 5172. Historic Archaeology (3).
ANG 5193r. Seminar in Archaeology (3).
ANG 5194r. Analysis and Interpretation of Archaeological Research (3).
ANG 5196. Public Archaeology (3).
ANG 5240. Anthropology of Religion (3).
ANG 5242. Symbol and Ritual (3).
ANG 5246. Contemporary Folk Religion (3).
ANG 5269. Economic Anthropology (3).
ANG 5275. Human Conflict: Theory and Resolution (3).
ANG 5309. Conquest of the Americas (3).
ANG 5337. Peoples and Cultures of Amazonia (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).

APPLIED POLITICS:
see *Graduate Bulletin*

ARABIC:
see Modern Languages and Linguistics

ARCHAEOLOGY:
see Anthropology

Department of ART

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Chair: Joe Sanders; **Professors:** Blakely, Garcia-Roig, Messersmith, Roche, Rubini, Sanders, Stewart, Williams; **Associate Professors:** Hanessian, Hook, Lindbloom, Roberson, Rutkovsky; **Assistant Professors:** Baade, Bookwalter, Eby, Mann; **Associate in Art:** Kariko, Raulerson; **Assistants in Art:** Bowens, Stagg; **Professors Emeriti:** Bell, Fichter

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 design. 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) degree in studio art. The comprehensive, limited-access degree programs in art and design include to a Bachelor of Fine Arts (BFA) degree in either studio art or design. Graduates may pursue studies in either a studio or design area that leads to the Master of Fine Arts (MFA) degree in studio art. Course selection encompasses history, theory, and practice. Studies may include ceramics, electronic media, design, drawing, installation, painting, photography, printmaking, and sculpture. Depending upon personal development, 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.

Since the major requirements for studio art and design are currently being reviewed, students entering the department should inquire for specific details regarding major requirements or visit the department's Web site at <http://www.fsu.edu/~art/>

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 studio art satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064. Courses in the department may satisfy the requirement; see the department for a list of courses currently fulfilling the computer skills competency requirement.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common prerequisites or approved substitutions necessary for this degree program:

Studio/Fine Art

1. ART X201
2. ART X202 or ART X203
3. ART X300
4. ART X301
5. ARH X050
6. ARH X051
7. Six to nine (6–9) semester hours of introductory media courses (ART or PGY prefix). A maximum of two (2) photography classes is allowed.

Graphic Design

1. ART X300
2. ART X201
3. PGY X401

4. ARH X050 or ARH X051

Although optional, students are encouraged to include two to four (2–4) of the following six courses: ARH X050, ARH X051, ART X203, ART X301, GRA XXXX (Computer Graphics), or GRA XXXX (Graphic Design).

Undergraduate Programs

Admission and Readmission

Since the requirements for admission to the major in studio art and design are currently being reviewed, students entering the department should inquire for specific details regarding major requirements, or visit the department's Web site at <http://www.fsu.edu/~art/pages/programs/undergraduate/>

Students who apply for readmission to the department must meet the art or design 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 (3) 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 or design. 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. Students must maintain a minimum 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, s/he is placed on probation for the following semester. If the student's grade or GPA falls 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, particularly in drawing and design, by the end of the sophomore year. The requirements for foundations are currently being reviewed. Entering students should contact the department for specific details regarding foundations requirements.

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 art department and also provides fundamental coursework for the BS in art education.

Note: Students are required to complete State of Florida Common Course Prerequisites as listed above.

Required Foundations Courses

(Foundation for all art majors)

The following list of classes must be taken as prerequisites for all other art courses to complete the required foundations program. The requirements for foundations are currently being reviewed. Entering students should contact the department for specific details regarding foundations requirements.

- 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 Imaging Foundations (3)
- ART 2003C Survey of Studio Art Practices (3)
- ART 2330C Figure Drawing Foundations (3)

Note: Prior to applying to the BFA program in graphic design, all students must take GRA 2190 Graphic Design I, and DIG 3025 Design History and Theory.

The Bachelor of Arts Degree in Studio Art

The Bachelor of Arts (BA) degree in studio art is a fundamental liberal arts program totaling one hundred six (106) semester hours. Requirements are as follows: liberal studies, thirty-six (36) semester hours; completion of the foundations program, nineteen (19) semester hours; art history, nine (9) semester hours; additional studio, twenty-one (21) semester hours; the successful completion of a foreign language course through the intermediate level; and (9) semester hours of additional humanities over and above the basic liberal-studies requirement.

Bachelor of Fine Arts Admission Application

Upon completion of the nineteen (19) semester hours in the foundations program, (Design requires an additional six [6] semester hours of Design) application for the Bachelor of Fine Arts (BFA) degree is by portfolio review by the faculty. Admission to the program is highly selective. Students are required to have an acceptable GPA in all major requirements. The admission process includes an individual review of the student's portfolio by two faculty members who may recommend that the work be submitted to the entire faculty for consideration. Students may attempt admission to the BFA program a maximum of two (2) times in the department, in any combination of Studio Art and/or Design.

The Bachelor of Fine Arts Degree in Studio Art

The Bachelor of Fine Arts (BFA) in studio art is a limited access, one hundred-eighteen (118) 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 graduates 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 nineteen (19) 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 two faculty members who may recommend that the work be submitted to the entire faculty for consideration.

In addition to the thirty-six (36) semester hours of liberal studies, coursework includes nineteen (19) semester hours of foundations, fifty-one (51) semester hours of studio art courses, and twelve (12) 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. Students admitted to the BFA program are exempt from the language requirement. They are required to maintain a 3.0 grade point average (GPA) in art and art history courses. 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 show. The BFA adviser can provide additional guidance regarding entrance and specific degree requirements.

The Bachelor of Fine Arts Degree in Design

The Bachelor of Fine Arts (BFA) in design is a limited access, one hundred-eighteen (118) semester-hour program. It differs from the Bachelor of Arts (BA) degree in that it provides the graduate with a more intensive background in professional skills and theoretical knowledge. Upon completion of the nineteen (19) semester hours in the foundations program, three (3) semester hours of GRA 2190C and three (3) semester hours of DIG 3025, application for the BFA degree is by faculty portfolio review. The process includes an individual review of the student's portfolio by two faculty members, who may recommend that the work be submitted to the entire faculty for consideration.

In addition to the thirty-six (36) semester hours of liberal studies, coursework includes nineteen (19) semester hours of foundation; fifty-one (51) semester hours in graphic design/electronic arts and related studio art subjects; and twelve (12) semester hours in art history. Students admitted to the BFA program are exempt from the language requirement, and they are required to maintain a 3.0 grade point average (GPA) in art and art history courses. 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 show. The BFA adviser can provide additional guidance regarding entrance and specific degree requirements.

Graduate Program

The Master of Fine Arts Degree

The master of fine arts (MFA) in studio art is a residency program with a minimum requirement of sixty (60) 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 (32) semester hours in studio art, eleven (11) semester hours of electives within or outside the department, a minimum of three courses (nine [9] semester hours) in art history at the graduate level, and a minimum of eight (8) 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

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. 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.

ART 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Internships in a variety of work situations are available. These internships are selected by the faculty to broaden the students' skills and flexibility as artists.

PGY 2100C. Photography for Non-Art Majors (3). 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 and orientation designed to increase first-year student success, introduce departmental concentrations, and explore career possibilities.

ART 1201C. Two-Dimensional Foundations (3). 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). 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). Demonstration, discussions, and slide/film presentations explore the way artists work in a broad range of media. Emphasis on visual perception and basic art making.

ART 2130C. Beginning Fiber/Fabric Design (3). Prerequisites: ART 1201C and ART 1300C. This is an introductory survey of fabric design. Traditional and contemporary applications of fabric are discussed. Nonwoven techniques, resist dyeing, and basic weaving are explored.

ART 2203C. Three-Dimensional Design (3). Prerequisites: ART 1201C, ART 1300C, ART 2003C, and ART 2006C. This course provides experience in designing and shaping expressive three-dimensional forms that are art objects with height, width, and depth.

ART 2301C. Drawing II (3). Prerequisites: ART 1300C and ART 1201C. 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). Exploration of the anatomical and conceptual complexities of the human form.

ART 2400C. Fundamentals of Printmaking: Relief (3). Prerequisites: ART 1201C and ART 1300C. An introduction to relief printing in wood block, linoleum block, and collograph/colgraph.

ART 2430C. Fundamentals of Printmaking: Silkscreen (3). Prerequisites: ART 1201C and ART 1300C. 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. An introduction to intaglio printing with line etch, aquatint, and softground using non-toxic processes.

ART 2500C. Painting I (3). Prerequisites: ART 1201C and ART 1300C. An introduction to personal expression in painting medium; emphasizes color, composition, and painting techniques through historical examples and technical demonstrations.

ART 2501C. Painting II (3). Prerequisite: ART 2500C. Development of skills/methods of collecting and considering images, along with in-depth study of painting techniques. Discussion of related contemporary and historical examples.

ART 2600. Introduction to Digital Imaging (3). Prerequisites: ART 1201C and ART 1300C. Corequisite: GRA 2190C. Beginning training in digital arts and graphic design.

ART 2701C. Sculpture I (3). Prerequisites: ART 1201C and ART 1300C. 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). This is a first course 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 (9) semester hours, with requirements increasing in difficulty each time.

ART 2893r. Contemporary Art Seminar (1). (S/U grade only.) This is a lecture and discussion course conducted by studio faculty. It provides students with insight into the current work by resident faculty and visiting artists. May be repeated to a maximum of three (3) semester hours.

ART 3420C. Fundamentals of Printmaking: Lithography (3). Prerequisites: ART 1201C, ART 1203, and ART 1300C. An introduction to the basic lithographic techniques of graining, drawing, etching, and printing.

ART 3542C. Watercolor (3). Prerequisites: ART 1201C, ART 1203, and ART 1300C. An introduction to transparent watercolor techniques through lectures and visual aids which demonstrate its possibilities.

ART 3710C. Sculpture II (3). Prerequisite: ART 2701C. Allows continued experience in more complex three-dimensional techniques; emphasis on individual projects and conceptual approach.

ART 3764C. Beginning Ceramics (3). Prerequisites: ART 1201C, ART 1203, and ART 1300C. Handbuilding 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.) Faculty develops topics of importance to students' interests and needs. May be repeated to a maximum of three (3) semester hours.

ART 4800. Criticism Seminar (3). 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 (9) semester hours.

ART 4943r. Internship in Creative Art (1–12). (S/U grade only.) Prerequisites: Core program and "B" average in all related courses. Preference given to seniors. Internships in a variety of work situations. Must be approved by department chair. May be repeated to a maximum of twelve (12) semester hours.

ART 4981r. Honors Work (3). May be repeated to a maximum of twelve (12) semester hours.

DIG 3025. Design History and Theory (3). Prerequisites: ART 1201C, ART 1203, ART 1300C, ART 2003C, ART 2301C, and ART 2330C. This course examines the historical development of design styles and techniques and their influences on contemporary culture.

GRA 2190C. Graphic Design I/Introduction (3). Prerequisites: ART 1201C, ART 1300C, and ART 1602C. Corequisite: DIG 3025. 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: GRA 2190C and DIG 3025. 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). Prerequisite: GRA 2190C. This course explores the design process by solving specific design problems in video and sound, going from conceptualization to refinement and final implementation.

GRA 4108. Contemporary Design Seminar (3). Prerequisite: Admission to BFA program. This course is intended to develop knowledge of the historical and social forces that have shaped and continue to shape art and design in contemporary culture.

PGY 2401C. Photography I (3). Prerequisite: ART 1201C, ART 1203, ART 1300C, ART 1602C, and PGY 2941C. 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). Prerequisite: ART 2501. 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. 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 (3). Prerequisite: ART 2501C.2510C. 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 (12) semester hours.

ART 4922Cr. Media Workshop: Sculpture (3). Prerequisites: ART 2701C and, for the clay sculpture workshop only, ART 3110C. Intensive studies under sculpture instructors; stresses competence in the following areas: casting in nonferrous metals, steel fabrication techniques, woodworking and landscape sculpture planning and production, and clay sculpture workshop. May be repeated to a maximum of twelve (12) semester hours.

ART 4923Cr. Media Workshop: Printmaking (3). Prerequisites: Appropriate courses in fundamentals of printmaking series and, for the photo-silkscreen and photo-lithography workshops only, PGY 2401C. 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 (12) semester hours.

ART 4924Cr. Media Workshop: Photography (3). Prerequisites: PGY 2401C and PGY 3410C. 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 (12) semester hours.

ART 4925Cr. Media Workshop: Word and Image (3). Prerequisites: ART 2230C, ART 3232C, and ART 3233C. Intensive studies in intermediate graphic design. May be repeated to a maximum of twelve (12) semester hours.

ART 4925Cr. Media Workshop: Typography (3). Prerequisites: ART 2230C, ART 3232C, and ART 3233C. Intensive studies in intermediate graphic design issues dealing with typography. May be repeated to a maximum of twelve (12) semester hours.

ART 4925Cr. Media Workshop: Design Production and Image (3). Prerequisites: ART 2230C, ART 3232C, and ART 3233C. Intensive studies in intermediate graphic design dealing with issues in image and production techniques. May be repeated to a maximum of twelve (12) semester hours.

ART 4926Cr. Media Workshop: Electronic Imaging (3). Corequisite: GRA 2190C. Electronic imaging, video, computer graphics, animation. May be repeated to a maximum of twelve (12) semester hours.

ART 4927Cr. Media Workshop: Metals (3). Prerequisite: ART 2701C. Includes sculptural methods and metal forming in a more expansive and versatile approach. May be repeated to a maximum of twelve (12) 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 (27) semester hours. Prerequisites for all advanced workshops include the following foundation courses: ART 1000, ART 1201C, ART 1203, ART 1300C, ART 1602C, ART 2003C, ART 2330C. 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). This is a tutorial course available only to BFA and BABS students. May be repeated to a maximum of twenty-seven (27) semester hours.

ART 4928Cr. Advanced Workshop: BFA All Media (3).

ART 4928Cr. Advanced Workshop: Ceramics (3).

ART 4928Cr. Advanced Workshop: Print Design (3).

ART 4928Cr. Advanced Workshop: Animation (3).

ART 4928Cr. Advanced Workshop: Web Design (3).

ART 4928Cr. Advanced Workshop: Painting (3).

ART 4928Cr. Advanced Workshop: Photography (3).

ART 4928Cr. Advanced Workshop: Printmaking (3).

ART 4928Cr. Advanced Workshop: Sculpture (3).

ART 4929Cr. Advanced Workshop (3). This is a tutorial course available only to BFA and BABS students. May be repeated to a maximum of twenty-seven (27) semester hours.

ART 4929Cr. Advanced Workshop: 3-D Animation (3).

ART 4929Cr. Advanced Workshop: Web Design (3).

ART 4929Cr. Advanced Workshop: Ceramics (3).

ART 4929Cr. Advanced Workshop: Print Design (3).

ART 4929Cr. Advanced Workshop: Digital Cinema (3).

ART 4929Cr. Advanced Workshop: Animation (3).

ART 4929Cr. Advanced Workshop: Painting (3).

ART 4929Cr. Advanced Workshop: Photography (3).

ART 4929Cr. Advanced Workshop: Printmaking (3).

ART 4929Cr. Advanced Workshop: Sculpture (3).

ART 4930Cr. Advanced Workshop (3). Critical issues in contemporary art. The course will vary each semester and will cover topics of critical significance in 20th-century contemporary art. This is a seminar course open only to BFA students. May be repeated for a maximum of twenty-seven (27) semester hours.

ART 4931r. Instruction in Advanced Technical Problems (3–6). May be repeated to a maximum of six (6) 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

ART 5907r. Directed Individual Study (1–4). (S/U grade only.)

ART 5934r. Contemporary Art Seminar (1). (S/U grade only.)

Graduate Workshops

ART 5927Cr. Graduate Workshop (1–4).

ART 5928Cr. Graduate Workshop (1–6).

ART 5929Cr. Graduate Workshop (4).

ART 5937r. Graduate Instruction in Advanced Technical Problems (4–8).

ART 5940r. Supervised Teaching (1–3). (S/U grade only.)

ART 5972r. Graduate Show and Thesis (1–8). (S/U grade only.)

Department of ART EDUCATION

COLLEGE OF VISUAL ARTS, THEATRE, AND DANCE

Chair: Marcia L. Rosal; **Professors:** Anderson, McRorie, Rosal; **Associate Professors:** Gussak, Villeneuve; **Assistant Professor:** Orr

The primary mission of the undergraduate 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. Extensive in-school observation and participation are required.

The undergraduate certification program is based on the theoretical position that art education leads to art for life. This means that the program stems from the content and inquiry structures of mature practicing professionals in studio art, art history, art criticism, and aesthetics, and is adapted to developmental stages, cognitive styles, and special and individual needs of students.

The principle thrust of the program is to deepen the visual and cultural understanding of future art teachers and expand the fundamental base of art knowledge from which art teachers teach. This knowledge is taught in a variety of ways using the disciplines of art and sound educational principles in order to prepare the art education student to teach effectively in public and private school settings and in community arts programs.

Art education courses are offered once per year and are sequenced over a two-year period. Students are required to maintain a portfolio of teaching materials as designated in their course work and are expected to go through a first-year and final review.

The Department of Art Education offers programs leading to the Bachelor of Science (BS), Bachelor of Arts (BA), Master of Science (MS), and Master of Arts (MA) degrees with certification. For 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 Art Education satisfy this requirement by earning a grade of "C-" or higher in ARE 4455.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. EDF X005
2. EDG X701
3. EME X040*
4. **Plus** the following general program prerequisites:
 - a. ART X300
 - b. ART X201
 - c. ART X301 or ARH 3001
 - d. ART X202 or ART X201
 - e. ARH X050
 - f. ARH X051
 - g. **Two** 2000-level studio art I courses (six [6] semester hours) with the ART prefix
 - h. **One** of the following courses: ART X510, ART X400, ART X4XX, ART X1XX, ART X110, ART X470

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social sciences requirements.

In addition to EDG X701, the student must take six (6) additional 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. Contact department and/or adviser for details.

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*.

Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Other courses might serve as acceptable alternatives to these common course prerequisites. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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 (21) 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 CLAST exam or 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 course work must also be completed prior to student teaching.

The core program in teacher certification includes course work in: theory and practice I and II; aesthetics of art and visual culture; human development and learning in art; portfolio; art with special populations; 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. 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 course work beyond that described above. The required (12) semester hours may be chosen from courses determined in consultation with an adviser. Students in the pre-art therapy track are placed in schools with special needs students for student teaching. 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 (12) semester hours with at least three (3) 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). 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. In this course, students develop an understanding of the concepts needed for teaching studio, art history, art criticism, and aesthetics, and develop the skills for developing 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. Building 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). 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 (9) semester hours.

ARE 4930r. Special Topics in Art and Education (3). Topics vary from term to term in response to new developments in art education. May be repeated to a maximum of six (6) semester hours as topics vary.

ARE 4931. Computer Graphic Design in Education and Art (3). Introduction to computer functions. Emphasis 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.) Clinical experience teaching art in a public school assignment.

ARE 4950. Portfolio in Art Education (3). Prerequisites: ARE 4042, ARE 4043, ARE 4143, ARE 4144, ARE 4392, and ARE 4550C. Corequisite: ARE 4940. Taken in conjunction with student teaching, students document their progress in mastering the 12 Accomplished Practices by preparing professional portfolios for both the elementary and secondary art teaching levels.

Graduate Courses

ARE 5046. Theory and Practice I (3).

ARE 5047. Theory and Practice II (3).

ARE 5145. Human Development and Learning in Art (3).

ARE 5245. Curriculum and Programs (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 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 (3). (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. Portfolio in Art Education (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 ART HISTORY

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Chair: Richard K. Emmerson; **Professors:** Emmerson, Gerson, Nasgaard, Neuman; **Associate Professors:** Bearor, Freiberg, Weingarden; **Assistant Professors:** Carrasco, Grigor, Jolles, Jones, Lee, Leitch; **Curator:** Hudson; **Professors Emeriti:** Draper, Rose; **Courtesy Professors:** de Grummond, Palladino-Craig, Pfaff, Pullen, Stone

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 Asian art; Islamic art; Pre-Columbian art; Early Medieval and Byzantine art; Romanesque and Gothic art; Italian and Northern European Renaissance painting, sculpture, 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 computer-searchable collection of over 500,000 slides, digital images, videos, and pedagogical CDs. The University library holdings are extensive and include a rare book and manuscript facsimile collection. The library also supports many electronic resources and an excellent interlibrary loan division.

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 of Tallahassee. The University administers the **Ringling Museum** in Sarasota, with its internationally known collection of European and Asian art.

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 program in 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 CGS 2060, CGS 2064, or CGS 2100.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. ART X201
2. ART X300
3. ARH X050
4. ARH X051
5. Nine to twelve (9–12) semester hours of a foreign language (contact department for details)

Major in Art History

The Bachelor of Arts (BA) program in the history and criticism of art requires a total of forty-two (42) semester hours of which thirty-three (33) will be in art history and nine (9) 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 (8) upper-level courses, two (2) 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 (18) 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 (15) semester hours of course work 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 (15) semester hours. Of these, six (6) semester hours are in museum studies courses, three (3) hours are in a related elective, and the remaining six (6) 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

Undergraduate Courses

ARH 2000. Art, Architecture, and Artistic Vision (3). Thematic approach to the understanding and appreciation of works of art.

ARH 2581. Survey of “Tribal Arts” Past and Present (3). This course will study 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 3056. History and Criticism of Art I (3). Introductory survey from prehistoric through late-Medieval art history.

ARH 3057. History and Criticism of Art II (3). Introductory survey from early Renaissance through modern art history including developments in American art.

ARH 3130. Survey of Greek Art and Archaeology (3). Review of the major accomplishments in Greek art from early times up to and including the Hellenistic period through a survey of principal monuments, works, and archaeological evidence.

ARH 3150. Art and Archaeology of Ancient Italy (3). 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). 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 (12) prior credit hours in upper-level art history. Undergraduate seminar in art history with changing topics. May be repeated to a maximum of twelve (12) 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 object is 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). (S/U grade only.) May be repeated to a maximum of six (6) 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). A study of 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).** A survey of the archaeology and art of ancient Egypt from the Predynastic 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).** A study of Etruscan culture, art, and archaeology.
- ARH 4131. Greek Art and Archaeology of the Fifth and Fourth Centuries B.C. (3).** Survey of 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).** 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).** Studies in specific aspects of the archaeology and art of Greece and Italy. May be repeated to a maximum of nine (9) semester hours.
- ARH 4210. Early Christian and Byzantine Art (3).** Prerequisite: ARH 3056 or instructor permission. Course begins with the first manifestations of Christian art and covers audiences, patrons, and problems of the representation of religious ideas. Arts discussed include Roman catacombs, mosaics of Ravenna and Sicily, sacred spaces of martyria and churches, icons of Rome and Constantinople, and late and luxurious court arts of Byzantium.
- ARH 4211. Early Medieval Art (3).** Prerequisite: ARH 3056 or instructor permission. Considers 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 4230. Later Medieval Art (3).** Prerequisite: ARH 3056 or instructor permission. Generally called Gothic art, this course includes 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. A survey of 15th- and 16th-century architecture in Italy with emphasis on works by Brunelleschi, Alberti, Bramante, Michelangelo, and Palladio. Discussion will center on how the major architectural types developed and why: churches, city palaces, public piazzas, and country villas. Particular attention will be 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. An examination of how social and historical issues influenced the arts during the first great cultural flowering of the Renaissance in Florence, Rome, and Venice. Discussion will center 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 will include 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. 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. An examination of 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. A study of 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 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 will be 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).** An introduction to 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).** An introduction to 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-7th century to the present day. While the concept "Islamic world" is both vague and vast, stretching from Spain to Indonesia and beyond, the course will focus 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. What is "American" about our country and its art? Developing a national identity in culture was a central concern during this period. Reflecting regional and multicultural responses to this and other questions of subjectivity and modernity, this course surveys painting, sculpture, architecture, photography, and material culture from 1876 to the 1950s.
- ARH 4621. U.S. Art: Colonial Era to the Centennial (3).** Prerequisites: ARH 3057 or instructor permission. From European images of "discovery" to conceptions of national culture presented to visitors at the Philadelphia Centennial, this course examines an emerging national identity as reflected and developed in the arts and material culture from the Colonial period to 1876. Course content is multicultural and includes discussions of women's contributions.
- ARH 4642. Art after 1940 (3).** Prerequisite: ARH 3057 or instructor permission. Course covers American and European art from Abstract Expressionism to the present. This 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 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. Survey of artists and processes in Western printmaking from the 15th century through the 20th century.
- ARH 4810. Art History Methods and Media (3).** Prerequisites: ARH 3056, ARH 3057, twelve (12) 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).** May be repeated to a maximum of nine (9) semester hours, subject to approval of faculty adviser. A written thesis is required.
- ARH 4870. 20th-Century U.S. Women's Art (3).** The earliest known sculptor in colonial America was a woman. Her work and that produced by successive women in U.S. visual culture, with a 20th-century emphasis, are the focus of this course. Students are also introduced to critical writings on representations of women in art and to the varieties of politicized responses—from Goddesses to Guerrilla Girls—to cultural bias against women.
- 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 (9) semester hours; duplicate registration is allowed in the same term.
- ARH 4933r. Special Topics in Art History (3).** Undergraduate, upper-level lecture course in art history with changing topics. May be repeated to a maximum of twelve (12) 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. Concurrent registration is permitted. May be repeated to a maximum of twelve (12) semester hours, only three (3) of which may be applied toward the major in art history.

Graduate Courses

- 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 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 5715. History of Photography (3).
 ARH 5725. History of Graphics (3).
 ARH 5797. Seminar in Museum Studies (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 5875. 20th-Century Feminist Art Criticism (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 (1–5). (S/U grade only.)
 ARH 5940r. Supervised Teaching (1–5). (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 6936. Topics in World Arts: Seminar (3).

For listings relating to graduate course work 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

Director: Lee Metcalf (Social Sciences); **Professors:** Bowman (Public Administration and Policy), Kelsay (Religion), Olsen (Music); **Associate Professors:** Bakan (Music), Cuevas (Religion), Erndl (Religion), Garretson (History), Grant (History), Kim (Political Science), Lan (Modern Languages and Linguistics), Liebskind (History); **Assistant Professors:** Grigor (Art History), Kemahilioglu (Political Science), Lee (Art History), Yasuhara (Modern Languages); **Associate In:** Schlenoff (Modern Languages); **Instructor:** Kotchikian (Political Science)

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 course work 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. As an interdisciplinary program, no minor is required, except in the case of the Asian studies/business option, in which the business course work 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 four components: 1) a language requirement; 2) a history requirement; 3) area-specific course work that emphasizes one of two tracks; and 4) a concepts and theories tool requirement to be fulfilled in the student's major track. The total hour requirements for a major are a minimum of twelve (12) semester hours in an approved area language plus an additional thirty-six (36) semester hours beyond the liberal studies requirements (with a grade of "C-" or better in each course) distributed across the history requirement and the two tracks.

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://academic-guide.fsu.edu> for more information.

Language Requirement

All students are required to take twelve (12) semester hours of course work in a relevant area language (Chinese, Japanese, Arabic, or some other Asian language). 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 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 course work hours taken beyond the twelve (12) semester hour minimum may be counted toward the required thirty-six (36) semester hours for the major.

History Requirement

Students are required to take a minimum of six (6) semester hours of work in the Asian studies history courses listed below.

Major and Minor Track Requirements

Students are to select either the social science track or the arts and humanities track as the major focus of their course work. Students are to take a minimum of twelve (12) semester hours of course work from among those area-specific courses listed for their major track and a minimum of six (6) semester hours of course work from among those area-specific courses listed for their minor track.

Concepts and Theories Tool Requirement

For each of the two tracks a larger number of concepts and theories courses are listed from the relevant disciplines. Students are to take six (6) semester hours of course work from among those courses listed for their major track. Students should select these courses with some care in consultation with their academic adviser. Students are encouraged to select from among history and area-specific courses to complete hours in the major although additional conceptual or theoretic courses may be used to meet required prerequisites.

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 (12) semester hours in an approved language (Chinese, Japanese, or Arabic), twenty-one (21) semester hours in Asian studies course work, and fifteen (15) semester hours in multinational business courses. The Asian studies course work is to be divided among the area-specific social science track courses (twelve [12] semester hour minimum) and Asian history courses (six [6] semester hour minimum). With this degree there is no concepts and theories requirement or arts and humanities minor track requirement. However, students may freely substitute language and anthropology courses for history or social science courses in meeting the twenty-one (21) semester hour Asian studies requirement. Students are also to select between two fifteen (15) semester hour business course work 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.

International Marketing Track

- MAN 3600 Multinational Business Operations
- MAN 4631 International Strategic Management
- MAR 3023 Basic Marketing Concepts
- MAR 4156 Multinational Marketing

Choose one:

- MAN 4605 Cross-Cultural Management (Prerequisite: MAN 3240)

OR

- MAN 4680r Selected Topics in International Management

OR

Another related course approved by the Asian studies program adviser

International Finance Track

- FIN 3244 Financial Markets, Institutions, and International Finance Systems
- FIN 3403 Financial Management of the Firm
- FIN 4604 Multinational Financial Management
- MAN 3600 Multinational Business Operations

Choose one:

- MAN 4605 Cross-Cultural Management (Prerequisite: MAN 3240)

OR

- MAN 4680r Selected Topics in International Management

OR

Another related course approved by the Asian studies program adviser

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*.

Asian Studies Minor

Students pursuing a minor in the program must complete eighteen (18) semester hours of Asian studies course work beyond the liberal studies requirement. In this case none of the broader comparative concepts and theories courses will count toward the eighteen (18) semester hour minimum. Students may select freely from all area-specific courses so long as at least three (3) semester hours are taken in history and each of the two tracks.

Approved Courses

Note: Descriptions of specific courses will be found under the individual departments in which they are taught.

History Courses

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 4402	China to 1898 (3)
ASH 4404	China Since 1898 (3)
ASH 4442	History of Modern Japan (3)
ASH 4520	Traditional India (3)
ASH 4550	Modern India (3)

Social Science Track—Area Specific

CPO 3034	Politics of Developing Areas (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)
ECS 4504	Economics of the Middle East (3)
INR 4274	Studies in International Politics: The Middle East (3)

Social Science Track—Comparative Concepts and Theories

CPO 2002	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)
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 3540	Economic Geography (3)
GEO 4420	Cultural Geography (3)
GEO 4471	Political Geography (3)
INR 2002	Introduction to International Relations (3)
INR 3603	Theories of International Relations (3)
INR 4102	American Foreign Policy (3)
INR 4702	Political Economy of International Relations (3)
PAD 3003	Public Administration in American Society (3)
PHI 3420	Philosophy of the Social Sciences (3)
PHM 2300	Introduction to Political Philosophy (3)
PHM 3331r	Modern Political Thought (3)
PHM 3350	Introduction to Marxist Philosophy (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)
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)
SYO 4550	Comparative Sociology (3)
SYP 3000	Social Psychology of Groups (3)
SYP 3300	Collective Action and Social Movements (3)
SYP 3540	Sociology of Law (3)
SYP 4340	Public Opinion Analysis (3)

Arts and Humanities Track—Area Specific

ANT 4363	Japanese Society and Culture (3)
ANT 4175	Archaeology of the Islamic World (3)
ARH 3530	The Arts of Asia (3)
ARH 3930r	Special Topics in Art [The Aesthetics of Chinese Calligraphy](1–3)
ARH 3930r	Special Topics in Art [Buddhist Monuments of Asia] (1–3)
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 3391	Chinese Cinema & 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)
REL 2315	Religions of South Asia (3)
REL 2350	Religions of East Asia (3)
REL 3335r	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)

Arts and Humanities Track—Comparative 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)
GEO 4420	Cultural Geography (3)
HUM 3321	Multicultural Dimensions of film and 20th-Century Culture (3)
MUH 2051	Music Cultures of the World (3)
MUH 2052	Music Cultures of the World (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)
REL 1300	Introduction to World Religions (3)
REL 3142	Religion, The Self and Society (3)
REL 3170	Religious Ethics and Moral Problems (3)

Definition of Prefix

ASN—Asian Studies

Undergraduate Courses

ASN 4905r. Directed Individual Study (1–3). May be repeated to a maximum of nine (9) semester hours.

ASN 4930r. Special Topics in Asian Studies (1–3). May be repeated to a maximum of nine (9) semester hours as topics change.

ASN 4970r. Honors Thesis (1–6). Six (6) hours of credit must be taken in two (2) successive semesters and must result in the production of a thesis. May be repeated to a maximum of nine (9) 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 5906r. Directed Individual Study: Chinese Civilization (1–4). (S/U grade only.)

ASN 5907r. Directed Individual Study: Japanese Civilization (1–4). (S/U grade only.)

ASN 5910r. Supervised Research (1–5). (S/U grade only.)

ASN 5935r. Special Topics in Asian Studies (1–3).

For listings relating to graduate course work 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

Chair: Timothy S. Moerland; **Associate Chair (Graduate Studies):** Bates; **Associate Chair (Undergraduate Studies):** Reeves; **Associate Chair (Curriculum Development):** Epstein; **Professors:** Abele, Bates, Chase, Ellington, Fajer, Freeman, Gaffney, Gilbert, Levitan, Meredith, Miller, Moerland, Outlaw, Roberts, Roux, Taylor, Travis, Tschinkel; **Associate Professors:** Bass, Epstein, Erickson, D. Fadool, J. Fadool, Houle, Houpt, L. Keller, T. Keller, Naylor, Reeves, Steppan, Trombley, Winn; **Assistant Professors:** Beerli, Deng, Hansen, Inouye, Mast, Tang, Underwood, Wulff, Yu, Zhu; **Professors Emeriti:** Anderson, Caspar, DeBusk, deKloet, Easton, Elam, Elliott, Friedmann, Heard, Hermkind, Hofer, Homann, James, Livingston, Mariscal, Quadango, Roeder, Short

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. 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 addition, students interested in marine science may obtain a special certificate 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 satisfy this requirement by earning a grade of “C–” or higher in BSC 2010L. Those majoring in computational biology fulfill the requirement by completing COP 4530 with a grade of “C–” or higher.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. BSC X010/X010L or BSC X010C*
2. BSC X011/X011L or BSC X011C*
3. CHM X045/X045L or CHM X045C
4. CHM X046/X046L or CHM X046C
5. CHM X210/X210L or CHM X210C*
6. CHM X211/X211L or CHM X211C*
7. MAC X311*
8. MAC X312*

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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. A student who has earned more than five 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
- c. 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
- d. 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. 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.

4. Required Courses in Biological Science.

Thirty-eight (38) semester hours of biological science course work are required for the degree. At least twenty (20) of the required semester hours must be taken in residence at Florida State University. The following shall be included in the thirty-eight (38) semester hours:

- a. Nine (9) semester hours (prerequisite to all major course work 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 (38) semester hour requirement. No more than six (6) semester hours of honors work in biological science (BSC 4970r), six (6) semester hours of directed individual study (BSC 4900r), one (1) semester hour of undergraduate supervised teaching (BSC 4945), and two (2) semester hours of senior tutorial (BSC 4931) can be used to meet the thirty-eight (38) 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)

5. 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 and 2312 or MAC 2311, plus one semester of statistics for biology (STA 2171). One (1) semester hour of bio-calculus laboratory (MAP 2480) also is required
 - 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)
6. **Exit Interview:**
All seniors must complete an exit interview in the semester they plan to graduate. For details, contact an adviser in the Biological Science Academic Advising Office.
 7. **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 [18] hours)**

BSC 2010	Biological Science I (3)
BSC 2011	Biological Science II (3)
PCB 3063	General Genetics (3)
PCB 4674	Evolution (3)

plus six (6) 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 [16] 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 (3) 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 [6] hours)**

BSC 4933r	Selected Topics in Biological Science (3)
CIS 4930r	Special Topics in Computer Science (3)
4. **Mathematics/Statistics (fifteen [15] 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 [8] or ten [10] hours)**

PHY 2048C	General Physics A (5)
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OR

PHY 2053C College Physics A (4)

AND

PHY 2049C General Physics B (5)

OR

PHY 2054C College Physics B (4)

6. **Chemistry (eight [8] 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 Certificate Program in Living Marine Resource Ecology (Upper Division Only)

A Certificate 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 certificate 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 certificate 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 (16) semester hours of specified course work 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 certificate 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

Students interested in secondary education science teaching should contact the Office of Secondary Science and/or Mathematics Teaching within the department. For more information, see that chapter of this *General Bulletin*.

For those also interested in teaching biology, 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 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 website: <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 (12) 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 (4) semester hours of the twelve (12) 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). Four selected topics in contemporary biology.

BSC 1005L. General Biology Laboratory for Nonmajors (1). May be taken concurrently with lecture or subsequent to completion of lecture with passing grade.

BSC 1005C. General Biology for Nonmajors (4).

BSC 1056C. Underwater Environments of the Big Bend (3). (S/U grade only.) This journey into the unique and unusual ecosystem of North Florida features the area's underwater systems—rivers, springs, salt marshes, bays, and beaches. Saturday trips include Cypress Springs, Dixie County grass beds, Rainbow River, St. Joseph Bay, the Panama City Jetties, or other sites as conditions permit. This course requires swimming skills, plus snorkel, mask, and fins.

BSC 1058C. Coastal Environments of the Big Bend (3). (S/U grade only.) Explore marine life through classroom lectures and six field trips that will introduce a new ecological dimension to the way you view the marshes and beaches of the North Florida coast. Ochlockonee Bay, a local marine aquarium, the St. Marks National Wildlife Refuge, and Fiddler's Point are a part of the Saturday field trip itinerary.

BSC 2085. Anatomy and Physiology I (3). 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. Microscopic and gross anatomy of the human body. Physiology of muscle contractions and nerve signaling explored using computer simulated experiments.

BSC 2086. Anatomy and Physiology II (3). Prerequisite: BSC 2085 or instructor permission. 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. Sensory and organ systems found in the human body. Physiology of the sensory and organ systems explored with lab activities and computer simulated experiments.

ISC 3076. Science, Technology, and Society (3). The role played by science and technology in American society is considered by examining the organization of the scientific enterprise, the realities of scientific life vs. portrayals of scientists in the media, how science is funded, its economic and its intellectual significance, dilemmas posed by progress in science and technology, and societal conditions under which science flourishes. This course cannot be used as credit toward a major or a minor in a science department. At least junior standing or permission of instructor is required.

MCB 2004. Microbiology for Health Services (3). Corequisite: MCB 2004L. 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. Microbiological techniques including the isolation, typing, and identification of bacteria, properties of pathogenic bacteria, and food microbiology.

PCB 2099. Human Physiology (3). A survey of 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). Presentations of contemporary and interesting issues in science, mathematics, or teaching methods. Content will vary from semester to semester. May be repeated to a maximum of four (4) 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). 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. Anatomy, development, and morphology and life cycles of autotrophs and fungi and other osmotrophs.

BOT 3143C. Field Botany (4). Introductory plant taxonomy with emphasis on laboratory and field study. Orientation to principles of identification, classification, and rules of botanical nomenclature.

BOT 3800. Elementary Botany: Plants and Man (3). Man's uses of plants, plant exploration and early history, plant geography, some basic botany.

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 4503. Plant Physiology (3). Prerequisites: BOT 3015, CHM 2210, and PCB 3134 recommended. Introduction to the regulatory systems in plants.

BOT 4503L. Plant Physiology Laboratory (1). Prerequisite: BOT 3015. Corequisite: BOT 4503.

Biological Science

BSC 2010. Biological Science I (3). Prerequisites or corequisites: BSC 2010L, CHM 1045, and CHM 1045L. Basic chemistry, energetics, metabolism, and cellular organization; molecular genetics and information flow; animal and plant function.

BSC 2010L. Biological Science I Laboratory (1). Prerequisites or corequisites: CHM 1045 and CHM 1045L. Corequisite: BSC 2010. 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). Prerequisites: BSC 2010 and BSC 2010L. Reproduction and development, transmission (Mendelian) genetics, population biology, ecology, and evolution.

BSC 2011L. Animal Diversity Laboratory (2). Prerequisites: BSC 2010 and BSC 2010L. Introduction to animals, sponges, cnidarians, flatworms and pseudocoelomates, annelids, molluscs, arthropods, echinoderms, and chordates.

BSC 3052. Conservation Biology (3). 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). Marine geology, chemistry of the oceans, oceanic circulation, oceanographic techniques, the marine environment and marine life.

BSC 3402L. Experimental Biology Laboratory (2). Majors only. 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.) 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.)

BSC 4514. Aquatic Pollution Biology (3). Various aspects of environmental alteration from point and nonpoint sources on aquatic systems.

BSC 4613. Systematics (3). 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 4833C. Radiation Biology (3). Prerequisite: Instructor permission. Effects of ionizing radiation on biological systems at the cellular, molecular, organismal, organ, and environmental levels.

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. Special topic supervised study or research participation in the area of the faculty member's research. Graduate students may not register for this course. A maximum of six (6) semester hours may be applied to biological science major credit.

BSC 4931r. Senior Tutorial in Biological Science (1). (S/U grade only.) Prerequisite: Senior standing (90+ hours). Selected topics in contemporary biological science; maximum enrollment of five students in each tutorial. Repeatable one time to a maximum of two (2) semester hours credit 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 (8) semester hours credit.

BSC 4934r. Selected Topics in Applied Biology (1–4). (S/U grade only.) May be repeated to a maximum of eight (8) semester hours. Some sections are not for major credit.

BSC 4937. Seminar in Living Marine Resource Ecology (1). Prerequisite: Instructor permission. Seminar course in marine resource ecology designed to introduce students to a broad array of current research priorities and interests in marine ecology. Students will 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. 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 (9) semester hours of credit, of which four (4) 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 (1) 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. Participation in a supervised research problem. May be repeated to a maximum of nine (9) semester hours, of which six (6) 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. 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. 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). Population biology, population growth; community processes, succession, nutrient cycling and energy flow, species interactions, ecological efficiency, biogeographical ecology.

PCB 3063. General Genetics (3). Introduction to the principles of transmission and molecular genetics of prokaryotes and eucaryotes and significance of these principles to other aspects of biological science.

PCB 3134. Cell Structure and Function (3). Cellular chemistry and physiology, morphology, and function of cellular organelles; cellular motility, growth, division, communication, and regulation.

PCB 3743. Vertebrate Physiology (3). Physiological systems of vertebrates with emphasis on mammals. Mechanisms underlying physiological processes and the physicochemical principles upon which they depend.

PCB 4024. Molecular Biology (3). Prerequisites: PCB 3063 and PCB 3134 recommended. 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. Analysis of 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. Discusses a number of topics, including fertilization, early embryonic events, organogenesis, differentiation, morphogenesis, cytoplasmic localization, determination, and differential gene expression.

PCB 4253L. Experimental Developmental Biology Laboratory (3). Prerequisites: BSC2011, BSC2011L, CHM1046, CHM1046L, AND PCB3063. Corequisite: PCB4253. This lab combines lecture and laboratory experiments regarding sea urchin fertilization, frog and chick early development, gene expression, cell-cell interactions, and metamorphosis.

PCB 4341C. Advanced Field Biology (3). Prerequisite: Instructor permission. Emphasis on conducting a series of ecological research projects in the field.

PCB 4674. Evolution (3). Prerequisites: PCB 3063 and senior standing (90+ hours). 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. The physiological and biochemical interactions of animals with their respective environments. Emphasis on non-mammalian vertebrate and invertebrate systems.

PCB 4731L. Experimental Physiology (2). Prerequisite: A course in physics. Exploration of physiological mechanisms in nerve, muscle, heart, and central nervous systems, with emphasis on electrophysiological methods.

PCB 4843. Fundamentals of Neuroscience (3). Prerequisites: PCB 3134, PCB 3743, or PCB 4723. This course will emphasize cellular and molecular approaches to neuroscience and brain function and will emphasize 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. 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. 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). Emphasis on 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. Biological specializations of crustaceans, mollusks, and echinoderms, including life history, behavior, ecology, biomechanics, and environmental adaptations.

ZOO 4343C. Biology of the Lower Vertebrates (4). Systematics, ecology, and evolution of fishes, amphibians, and reptiles.

ZOO 4353C. Biology of the Higher Vertebrates (4). Systematics, ecology, and evolution of birds and mammals.

ZOO 4513. Animal Behavior (4). The behavior of animals: modern perspectives.

ZOO 4753C. Histology (4). The microscopic anatomy and functions of the cells, tissues, and glands composing the organs and systems of humans.

ZOO 4823. Insect Biology (3). 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. Topics in this course include 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 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).

MCB 6936r. Seminar in Microbiology (2). (S/U grade only.)

Process Biology

PCB 5137. Advanced Cell Biology (3).

PCB 5345C. Advanced Field 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 5747. Mammalian Physiology II (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 6937r. Seminar in Physiology (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 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 (9). (S/U grade only.)
- ISC 5946. Half-Time Teaching Internship (6). (S/U grade only.)
- ISC 8939. Portfolio Review (0). (S/U grade only.)

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

BIOMEDICAL SCIENCES

COLLEGE OF MEDICINE

Chair: David Balkwill; **Professors:** Balkwill, Blaber, Galasko, M. Hurt, Klatt, Levitt, McGee, Meredith, Ouimet, Overton, Patrick, Payer, Rill; **Associate Professors:** Horabin, Olcese, Yu; **Assistant Professors:** Gunjan, Kabbaj, Kato, Lee, Stefanovic, VanLandingham, Wang; **Assistant Scholar Scientist:** Bienkiewicz; **Assistants in Medicine:** Cappendijk, Didier, Paik

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/biomed/phd/contact.asp>) 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 600 for the paper test or 233 for the Computer Based Test (CBT). Applicants must also send all required material to the University Admissions Office at <https://admissions.fsu.edu/gradapp/>.

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 (5) 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 (2) 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 (24) semester hours of dissertation credit; and submitting, publicly presenting, and successfully defending a doctoral dissertation.

Additional details are available at <http://www.med.fsu.edu/biomed/phd/default.asp>. 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 this *Graduate Bulletin*.

Definition of Prefixes

BMS—Basic Medical Sciences

GMS—Graduate Medical Sciences

IHS—Interdisciplinary Health Sciences

Graduate Courses

BMS 5185r.	Research Opportunities in Biomedical Sciences (1–4).
BMS 5186C.	Research Techniques in Biomedical Sciences (4).
BMS 5525.	Bioregulation (4).
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).
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 BRITISH STUDIES LONDON CENTER MINOR

COLLEGE OF ARTS AND SCIENCES

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 (15) semester hours in courses approved by the British Studies London Center Minor Coordinating Committee. **At least nine (9) semester hours of approved courses must be taken while the student is in residence at the London Study Center.** A maximum of nine (9) 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 bseymour@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 Workshop (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 1331	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 2083r	Theatre Problems (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 Coordinating Committee, *University Center A5500, Tallahassee, FL 32306-2420*.

BUSINESS LAW:

see Risk Management/Insurance, Real Estate, and Program in Business Law

CELL BIOLOGY:

see Biological Science

Department of CHEMICAL AND BIOMEDICAL ENGINEERING

FAMU-FSU COLLEGE OF ENGINEERING

Chair: Bruce R. Locke; **Professors:** Alamo, Collier, Locke; **Associate Professors:** Chella, Kalu, Ma, Telotte; **Assistant Professors:** K. Chen, Grant, Kostov, Paravastu, Ramakrishnan, Shanbhag; **Adjunct Professor:** Schreiber; **Research Associate:** Finney; **Affiliate Faculty:** Chase, C.J. Chen, Sachdeva, 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 chemical and biomedical engineering education and life-long learning, and to maintain a national research leadership in several 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. The departmental undergraduate committee is responsible for planning, maintaining, and reviewing its curricular content in accordance with the perceived demands of its stakeholders. The department chair and the degree program coordinators implement the curricula as determined by the department curriculum committee, while consulting with the faculty as needed.

Chemical engineering encompasses the development, application, and operation of processes in which chemical, biological, and/or physical changes of material are involved. 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 production. The chemical engineer is 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 department has recently 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 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.

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.

Program Objectives and Outcomes

The Department of Chemical and Biomedical Engineering is accredited nationally 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 four departmental educational objectives for the Bachelor of Science (BS) degree in Chemical Engineering:

1. To educate students in the design and analysis of chemical processes and systems
2. To train students on issues of product quality, safety, and environmental impact
3. To develop student professionalism in the field of chemical engineering through departmental and classroom activities and student involvement in local and national professional organizations
4. To provide educational diversity to meet the needs of emerging sub-fields within chemical engineering and related disciplines

Program Outcomes

These objectives are further expanded and detailed through eleven student outcomes:

- a. An ability to apply a knowledge of mathematics, physics, chemistry, and chemical engineering (C3.a)
- b. An ability to design and conduct experiments, and analyze and interpret data of importance to the design and analysis of chemical processes (C3.b)
- c. An ability to design and analyze new and existing chemical systems and processes to meet desired needs (C3.c)
- d. An ability to function on multi-disciplinary teams (C3.d)
- e. An ability to identify, formulate, and solve engineering problems (C3.e)
- f. An understanding of professional and ethical responsibility (C3.f)
- g. An ability to communicate effectively (C3.g)
- h. The broad education necessary to understand the impact of engineering solutions in a global and societal context (C3.h)
- i. An ability to engage in life-long learning (C3.i)
- j. A knowledge of contemporary issues (C3.j)
- k. An ability to use the techniques, skills, and modern engineering tools necessary for chemical engineering practice (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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. ENC X101
2. ENC X102
3. MAC X311*
4. MAC X312*
5. MAC X313*
6. MAP X302
7. CHM X045/X045L*

8. PHY X048/X048L
9. PHY X049/X049L
10. Six (6) semester hours in humanities
11. Six (6) semester hours in social science
12. Three (3) additional semester hours in humanities or social science

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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 20 stage distillation column for the study of organic chemical separations, several reactor vessels for the design and analysis of continuous reactor configurations, and a liquid/liquid continuous extraction process system, to name a few. All experiments include computer data control and computer 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 either timeshared remote terminals using UNIX or desktop personal computers 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 PCs 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 five diverse areas of study that reflect new directions in the broader field of chemical engineering. These major options include chemical engineering, environmental engineering-chemical, bioengineering, materials engineering, and chemical-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-Environmental Engineering.** Chemical engineers will play a pivotal role in developing future pollution prevention strategies by improving and replacing current products and processes. Upcoming efforts will focus on integrating the design and production of goods with their ultimate disposal and reuse. Chemical engineers will provide the means to not only prevent pollution, but move to the concept of creating a sustainable society where most products are recycled repeatedly.
- **Chemical-Bioengineering.** Biochemical engineering is a highly interdisciplinary field that has arisen from the application of chemical engineering principles to the production of materials derived from living systems. A number of processes and products, including fermentation for making alcohols and various foods, the efficient use of enzymes for tanning leather, the use of bacteria for biological waste treatment, and the production of antibiotics from mold culture, have been developed and utilized in the past. Bioengineering combines biochemical engineering with other aspects of life sciences applied to engineering, such as pharmacology and biotechnology.
- **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 subdisciplines 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 (131) 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 (45) 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 five majors within the chemical engineering Bachelor's degree program. These include chemical engineering, chemical-environmental engineering, chemical-bioengineering, chemical-materials engineering, and chemical-biomedical engineering. Most of the curriculum is common to all five 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 five majors should successfully complete the following courses in addition to the liberal studies, other University, and College of Engineering requirements:

Math and Science Prerequisites

MAC	2311	Calculus with Analytic Geometry I (4)
MAC	2312	Calculus with Analytic Geometry II (4)
MAC	2313	Calculus with Analytic Geometry III (5)
ECH	3301	Introduction Process Analysis and Design for Chemical Engineers (3)

OR

MAP	3305	Engineering Mathematics 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 (2)
PHY	2048C	General Physics A (5)
PHY	2049C	General Physics B (5)
ECO	2023	Economics of the Price System (3)

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	4411	Physical Chemistry II (3)
CHM	XXXX	Advanced Chemistry Elective (3)

General Engineering

EGN	1004L	First Year Engineering Lab (1)
EGM	3512	Engineering Mechanics (4)
EEL	3003	Introduction to Electrical Engineering (3)
EEL	3003L	Introduction to Electrical Engineering Laboratory (1)

Chemical Engineering Science and Design

ECH	3023	Mass and Energy Balances (3)
ECH	3101	Chemical Engineering Thermodynamics (3)
ECH	3266	Introductory Transport Phenomena (3)
ECH	3274L	Measurements and Transport Phenomena Laboratory (3)

ECH 3418	Separations Processes (3)
ECH 3854	Chemical Engineering Computations (3)
ECH 4267	Advanced Transport Phenomena (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) [(3) for 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 five 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.

CHM 2211L Organic Chemistry II Laboratory (3)

OR

CHM 4135C Instrumental Analysis (3)

OR

BCH 4053 General Biochemistry I (3)

Chemical Engineering Electives. The two chemical engineering electives (three [3] semester hours each) are to be selected from the 4000-level elective courses offered in the Department of Chemical and Biomedical Engineering.

Major in Chemical Engineering—Environment

Advanced Chemistry Elective

CHM 4135C Instrumental Analysis (3)

Chemical Engineering Electives

ECH 4781 Chemical Engineering Environmental (3)

AND

BSC 2010 Biological Science I (3)

BSC 2010L Biological Science I Laboratory (1)

OR

GLY 2010C Physical Geology (4)

Major in Chemical—Bioengineering

Advanced Chemistry Elective

BCH 4053 General Biochemistry I (3)

Chemical Engineering Electives

ECH 4743 Chemical Engineering Bioengineering (3)

AND

BSC 2010 Biological Science I (3)

BSC 2010L Biological Science I Laboratory (1)

OR

MCB 2013 Microbiology (3)

Major in Chemical—Materials Engineering

Advanced Chemistry Elective

CHM 4135C Instrumental Analysis (3)

Chemical Engineering Electives

ONE OF

ECH 4823 Introduction to Polymer Science and Engineering (3)

OR

ECH 4824 Chemical Engineering Materials (3)

OR

ECH 4937 Special Topics in Chemical Engineering [Molecular Engineering] (3)

AND ONE OF

EML 3234 Materials Science and Engineering (3)

OR

PHY 3101 Modern Intermediate Physics (3)

OR

PHY 3221 Intermediate Mechanics (3)

OR

a second course from the choices above [ECH 4823, 4824, or 4937] (3)

Major in Chemical—Biomedical Engineering

Biological Science Prerequisite

BSC 2010 Biological Science (3)

BSC 2010L Biological Science I Laboratory (1)

Psychology Liberal Studies Course

PSY 2012 General Psychology (3)

Advanced Chemistry Elective

BCH 4053 General Biochemistry I (3) [CHM 4411, Physical Chemistry II is not required for the biomedical major]

Chemical and Biomedical Engineering Science and Design

BME 4403C, 4404C Quantitative Anatomy and Systems Physiology I and II [two course sequence] (3,3)

Biomedical Engineering Elective (take one)

ECH 4741 Biomedical Engineering (3)

ECH 4743 Chemical Engineering/Bioengineering (3)

ECH 4904 Undergraduate Research Project (1–3) [for a total of 6 credits]

ECH 4906 Honors Work in Chemical Engineering (1–3) [for a total of 6 credits]

Pre-Med Electives (recommended)

BCH 4054 General Biochemistry II (3)

BSC 2011 Biological Science II (3)

BSC 2011L Biological Science II Laboratory (2)

CHM 2211L Organic Chemistry II Lab (3)

PCB 3063 General Genetics (3)

PCB 3743 Vertebrate Physiology (3)

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 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 ECH3301, all with a grade of "C" or higher. Corequisites: ECH 3101, ECH3266, ECH 3854, and CHM 4410. This is 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 CHM4410. Corequisites: ECH 3274L, ECH 3418, 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, BME 4404C, and ECH 3821. Corequisite: Senior standing. This is the first course 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 is the second course 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 in Biomedical Engineering (1-3). Prerequisite: Instructor permission. Corequisite: Junior standing. Completion in this course of a research project for six (6) semester hours with a grade of "C" or higher may be used to satisfy the program elective requirement. May be repeated to a maximum of six (6) semester hours.

BME 4906r. Honors in Biomedical Engineering (1-3). Prerequisite: Instructor permission. Corequisite: Junior standing. Completion in this course of an honors research project for six (6) semester hours with a grade of "C" or higher may be used to satisfy the program elective requirement. May be repeated to a maximum of six (6) semester hours.

BME 4937r. Special Topics in Biomedical Engineering (1-3). Prerequisite: Instructor permission. Corequisite: Junior standing. Topics in this course emphasize 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 involves lectures and a final project on a topic in biomedical engineering. May be repeated to a maximum of twelve (12) semester hours.

ECH 2050. Chemical Engineering Communications (2). Techniques for effective oral communication in settings most frequently encountered by the practicing engineer. Speaking skills will be applied in informal presentations, formal presentations, and interviews.

ECH 3023. Mass and Energy Balances I (3). Prerequisites: CHM 1046 and MAC 2312. Corequisites: CHM 2210, MAC 2313, and PHY 2048C. This course examines the effect of mass and energy balances on chemical-process systems, process measurements and development of problem-solving methodologies in mass-energy balances, and single or complex multiphase systems. The course introduces general chemical-engineering concepts, lays the foundation for mass and energy balances of chemical processes, and applies fundamental knowledge about stoichiometry and chemical equilibrium to simple-combustion or product-separation reactions.

ECH 3024. Mass and Energy Balances II (3). Prerequisites: CHM 1046C, ECH 3023, ECH 3821, and MAC 2313. This course is the second in a two-part series introducing the general concepts of chemical engineering and laying the foundation to establish both the mass and the energy balances of a chemical process. Analysis of energy and mass balances in equilibrium chemical reaction processes is introduced. Transient mass and energy balances are applied to chemical systems. Case studies are analyzed using computational methods. The basic principles of error analysis and data fitting to models are applied to selected examples in chemical engineering.

ECH 3101. Chemical Engineering Thermodynamics (3). Prerequisites: ECH 3023 and ECH 3264 with grades of "C-" or better, MAP 3305, and PHY 2049C. Corequisites: CHM 4410 and ECH 3265. Energy balances and entropy analysis for systems of chemical engineering interest. Computer calculations involving real fluids, mixtures, phase equilibrium, and chemical equilibrium.

ECH 3264. Transport Phenomena I (3). Prerequisites: MAC 2313, CHM 1046, and CGS 3408 or CGS 3460. Corequisites: ECH 3023, MAP 3305, and PHY 2049C. Theory and applications of momentum transfer analysis. Basic theology, velocity profile calculations, and design of fluid flow equipment.

ECH 3265. Transport Phenomena II (3). Prerequisites: MAP 3305, PHY 2049C, and ECH 3264 with a grade of "C" or better. Corequisites: CHM 4410, ECH 3101, EEL 3003, and EEL 3003L. Theory and applications of heat transfer analysis. Temperature profile calculations and design of heat transfer equipment.

ECH 3266. Introductory Transport Phenomena (3). Prerequisites: CHM 2210, ECH 3023 and ECH 3101 with a "C-" or better, EGM 3512, and MAP 3305. Corequisite: ECH 3418. This course examines integral balance equations for conservation of momentum, energy, and mass. Topics include the following: application to chemical processes involving fluid flow and heat and mass transfer; estimation of friction factors, and heat and mass transfer coefficients; pump selection and sizing and piping network analysis; and design of heat exchangers.

ECH 3274L. Measurements and Transport Phenomena Laboratory (3). Prerequisites: CHM 4410, ECH 2050, and ECH 3265. Corequisite: ECH 4403. Course reinforces principles of physical property measurement and transport phenomena through a series of laboratory experiments. The main emphasis of the course is placed on the written and oral communication of the lab results. There will be lecture material pertaining to the analysis of data, numerical and error analysis, and design of experiments.

ECH 3301. Introduction to Process Analysis and Design for Chemical Engineers (3). Prerequisite: MAC 2313. This course will examine the development of process models for equilibrium and dynamic systems, including stagewise processes, that arise in chemical engineering applications, and their analysis using exact and appropriate techniques.

ECH 3418. Separations Processes (3). Prerequisites: CHM 2210, ECH 3023 and ECH 3101 with a "C-" or better, EGM 3512, and MAP 3305. Corequisite: ECH 3266. 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 3821. Computer Applications in Chemical Engineering (3). Prerequisite: MAC 2311. This course is an introduction to computational tools available for the solution of chemical engineering problems. The primary focus will be on the use of spreadsheets, high-level programming languages such as MATLAB, and computer algebra systems such as Maple in chemical engineering applications. This course also will provide an introduction to the use of chemical process simulators.

ECH 3854. Chemical Engineering Computations (4). Prerequisites: A grade of "C-" or better in ECH 3023, ECH 3024, and ECH 3301. Corequisites: ECH 3101, ECH 3266, and CHM 4410. The first part of this course is an introduction to computational tools available for the solution of chemical-engineering problems, with emphasis on the use of spreadsheets, high-level programming languages (such as MATLAB), and chemical process simulators. The second part of this course is an introduction to practical numerical techniques for using computers to solve chemical-engineering problems, with emphasis on solutions of equations in one variable, interpolation and polynomial approximation, numerical differentiation and integration, initial-value problems for ordinary differential equations, direct methods of solving linear systems, iterating techniques in matrix algebra, and numerical solutions in nonlinear systems of equations.

ECH 3949r. Cooperative Work Experience (0). (S/U grade only.)

ECH 4267. Advanced Transport Phenomena (3). Prerequisites: ECH 3266 and ECH 3418. Corequisite: ECH 3274L. This course examines the following topics: molecular mechanisms for momentum, heat, and mass transport; differential balance equations for conservation of momentum, energy, and mass; application of steady and unsteady-state chemical processes involving diffusive and convective mass transfer in solids, liquids, and gases; interphase transfer mechanisms; and boundary layer theory and turbulent transport.

ECH 4323. Process Control (3). Prerequisites: ECH 4504 and ECH 4604. 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 Laboratory (1). Corequisite: ECH 4323. Experiments designed to illustrate and apply control theory, measurement techniques, calibration, tuning of controls, characterization of sensors, and control circuits.

ECH 4404L. Unit Operations Laboratory (3). Prerequisites: ECH 3264L and ECH 4403. Familiarizes students with the principles taught in ECH 4403. Preparing experimental plans and doing the required experimental work with unit operations equipment to meet specific objectives. Emphasis is on computer data analysis and on oral/written communication skills.

ECH 4504. Kinetics and Reactor Design (3). Prerequisites: ECH 3264L and ECH 4403. Corequisite: ECH 4604. 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 3264L, ECH 4403, and ECO 2023. Corequisite: ECH 4504. Engineering economics review and cost-estimation techniques. Design of chemical process equipment. Computer-aided design calculations.

ECH 4615. Chemical Engineering Process Design II (3). Prerequisites: ECH 4504 and ECH 4604. Design of chemical process facilities and computer-aided design. An individual design project is completed by each student.

ECH 4741. Biomedical Engineering (3). Prerequisite: Senior standing in chemical engineering. An introduction to the field of biomedical engineering with particular emphasis on the general engineering role. Emphasis is placed on hemodynamics, human physiology, pharmacodynamics, artificial organs, biomaterials, biomechanics, and clinical engineering.

ECH 4743. Chemical Engineering/Bioengineering (3). Prerequisite: Senior standing in chemical engineering. Corequisite: ECH 4504. 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). Prerequisite: ECH 4403. Corequisite: ECH 4504. 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 4823. Introduction to Polymer Science and Engineering (3). Prerequisite: Senior standing in chemical engineering. Introduction to the physical chemistry, reaction kinetics, reaction engineering, and processing of polymeric systems.

ECH 4824. Chemical Engineering Materials (3). Prerequisite: Senior standing in chemical engineering. 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 4904r. Undergraduate Research Project (1-3). Prerequisites: ECH 3101 and ECH 3265. Corequisite: ECH 4403. This course consists of independent research on a topic relevant to chemical engineering. May be repeated to a maximum of nine (9) semester hours.

ECH 4905r. Directed Individual Study (1-3). Prerequisite: Senior standing in chemical engineering. May be repeated to a maximum of twelve (12) semester hours.

ECH 4906r. Honors Work in Chemical Engineering (1-6). Prerequisite: Admission in honors program. May be repeated to a maximum of nine (9) semester hours.

ECH 4937r. Special Topics in Chemical Engineering (1–3). Prerequisite: Senior standing in chemical engineering. Topics in chemical engineering with emphasis on recent developments. May be repeated to a maximum of twelve (12) semester hours.

EGN 3032. Engineering Ethics (3). Prerequisite: Junior standing in engineering. This course introduces the key theories, concepts, principles, and methodology relevant to the development of professional engineering ethics. The student will be guided in his/her development of a code of professional ethics through written work, class discussion, and case analysis.

Graduate Courses

- BME 5086.** Biomedical Engineering Ethics (3).
BME 5620. Biophysical Chemistry and Biothermodynamics (3).
BME 5905r. Directed Individual Study (1–3).
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*

Department of CHEMISTRY AND BIOCHEMISTRY

COLLEGE OF ARTS AND SCIENCES

Chair: Joseph B. Schlenoff; **Professors:** Brüscheiler, Cooper, Cross, Dalal, Dorsey, Gilmer, Holton, Krafft, Kroto, Logan, Marshall, Saltiel, Schlenoff, Stiegman, Strouse; **Associate Professors:** Alabugin, Goldsby, Hilinski, Li, McQuade, Sang, Steinbock; **Assistant Professors:** Dudley, Latturmer, Miller, Nymeyer, Roper, Shatruck, Stagg, Striegel, Yang, Zhu; **University Professor:** Kasha; **Coordinator of General Chemistry Laboratories:** Dillon; **Coordinator of Upper Division Chemistry Laboratories:** Kearley; **Professors Emeriti:** Choppin, Clark, DeTar, Dougherty, Fulton, Herz, Johnsen, Light, Linder, Mellon, Rhodes, Safron, Schwartz, Sheline, Vickers; **Professor Emerita:** 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.

A degree in chemistry or biochemistry is suitable preparation for a variety of career choices, including immediate employment in the chemical, biochemical, environmental, and related industries, or graduate study in chemistry, biochemistry, chemical physics, biophysics, or medicine. 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. 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.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for these University degree programs. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Chemistry

1. CHM X045/X045L or CHM X040 and CHM X041 or CHM X045C or CHM X045E
2. CHM X046/X046L or CHM X046C or CHM X046E
3. MAC X311 or MAC X281

4. MAC X312 or MAC X282
5. Choose **one** of the following sequences:
 - a. CHM X210/X210L and CHM X211/X211L

OR

- b. CHM X210C and CHM X211C or PHY X048/X048L and PHY X049/X049L or PHY X048C and PHY X049C or PHY X053C or PHY X053/X053L and PHY X054C or PHY X054/X054L

Biochemistry

1. BSC X010/X010L and BSC X011L or PCB X010 or PCB X011 or PCB X021 or PCB X131 or BSC X040 or BSC X012 or ZOO X010 or BOT X010 or BSC X041 or BOT X013
2. CHM X045/X045L
3. CHM X046/X046L
4. CHM X210/X210L*
5. CHM X211/X211L*
6. MAC X312 *

Chemical Sciences

1. CHM X045/1045L or CHM X040 and CHM X041 or CHM X045C or CHM X045E
2. CHM X046/X046L or CHM X046C or CHM X046E
3. MAC X311
4. Choose **one** of the following sequences:
 - a. CHM X210/X210L* and CHM X211/X211L

OR

- b. PHY X053C and PHY X054C

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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, 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 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>.

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*.

Students who expect to transfer to Florida State University should note that all chemistry courses at the 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.

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 twelve (12) 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 five unsatisfactory grades (U, F, D-, D, D+) 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.

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.

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 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. 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 physi-

cal 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 Web site.

Baccalaureate Degree 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.**

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 (4) credit hour premedical Human Biochemistry 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 (12) semester hours is required, at least four (4) semester hours of which must be taken at Florida State University. 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 (4) semester hours of credit in CHM 1020/1020L; an AP score of 4 earns the student credit for CHM 1045, 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 (3) semester hours of credit in CHM 1020C. Those with a score of 5 or higher will earn credit for CHM 1020 (2 hours) and 1045/1045L (4 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

* 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

CHS—Chemistry: Specialized

ISC—Interdisciplinary Sciences

PSC—Physical Sciences

SCE—Science Education

Undergraduate Courses

General Chemistry

CHM 1020. Chemistry for Liberal Studies (3). Intended to provide the non-science major with an introductory study of chemistry principles without an extensive use of mathematics. This course is designed for students who wish to fulfill the liberal studies science requirement with chemistry and will take no further chemistry courses. This course is not designed as a preparatory course for CHM 1045. Major topics include elementary atomic theory, gas laws, states of matter. Credit 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. Laboratory, two (2) hours. No credit allowed after taking CHM 1045. Laboratory emphasizing major topics from CHM 1020: quantitative observations, properties of matter, separation of mixtures.

CHM 1032. Survey of General Chemistry (3). Lecture. Prerequisite: MAC 1105. 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). Lecture, three (3) hours per week, and recitation, one (1) hour. Prerequisite: MAC 1105 with a grade of “C-” or better or placement beyond MAC 1105 on the University’s math department exam. Corequisite: CHM 1045L. Topics include 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). Laboratory, three (3) hours per week. Corequisite: CHM 1045. Safety goggles and a scientific calculator are required for every class.

CHM 1046. General Chemistry II (3). Lecture, three (3) hours per week, and recitation, one (1) hour. Prerequisites: CHM 1045 and 1045L or CHM 1050 and 1050L (all with a grade “C-” or better). Corequisite: CHM 1046L. Topics include intermolecular forces, chemical kinetics, equilibrium, acids and bases, elementary thermodynamics, and electrochemistry.

CHM 1046L. General Chemistry II Laboratory (1). Laboratory three (3) hours per week. Corequisite: CHM 1046. Safety goggles and scientific calculator are required for every class.

CHM 1050. Honors General Chemistry I (3). Lecture. Prerequisites: MAC 1105 and high school chemistry. Corequisite: CHM 1050L. 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). Laboratory, three (3) hours. Corequisite: CHM 1050. Introduction to quantitative techniques. Introduction to 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). Lecture. Prerequisites: CHM 1050 and 1050L or CHM 1045 and 1045L with instructor permission. Corequisite: CHM 1051L. Continuation of general chemistry for honors students. 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). Laboratory conference, one (1) hour; laboratory, five (5) hours. Corequisite: CHM 1051. 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 (3) semester hours.

CHM 4090L. Science Glassblowing (1). Laboratory, one (1) hour. Restricted to advanced science majors. 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 and “B” average in chemistry courses. May be repeated to a maximum of eighteen (18) semester hours.

CHM 4906r. Honors Work (1–6). For honors in the major work only. May be repeated to a maximum of nine (9) hours.

ISC 3076. Science, Technology, and Society (3). The role played by science and technology in American society is considered by examining the organization of the scientific enterprise, the realities of scientific life versus portrayals of scientists in the media, how science is funded, its economic and its intellectual significance, dilemmas posed by progress in science and technology, and societal conditions under which science flourishes. This course cannot be used as credit toward a major or a minor in a science department. At least junior standing or permission of instructor is required.

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). Presentations of contemporary and interesting issues in sciences, mathematics, or teaching methods. Content will vary from semester to semester. May be repeated to a maximum of four (4) semester hours.

Analytical Chemistry

CHM 3120. Introduction to Analytical Chemistry (2). Prerequisite: A grade of “C-” or better in CHM 1046 and CHM1046L. This lecture-based course 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. Introduction to Analytical Chemistry Laboratory (2). Corequisite: CHM 3120. This is the laboratory portion of Introduction to Analytical Chemistry. 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, and CHM 1046L. The application of 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). Prerequisites: CHM 2211. Organic geochemistry of natural waters and sediments. 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 will also be devoted to anthropogenic (xenobiotic) organic molecules. Discussion of 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 with a grade of “C-” or better, as well as PHY 2048C or PHY 2053C. 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 CHM4130L). This 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.

Biochemistry

BCH 3023C. Introduction to Biochemistry (3). Lecture, two (2) hours; laboratory, three (3) hours, alternating with one (1) hour recitation. Prerequisite: CHM 2200C. 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). Lecture, three (3) hours. Prerequisite: CHM 2210. Corequisite: CHM 2211. The first biochemistry course recommended for chemistry and biology majors and for students who intend to study medicine. Structure and function of proteins, nucleic acids, membranes, and other cellular constituents. Enzyme catalysis bioenergetics. Carbohydrate metabolism and oxidative phosphorylation.

BCH 4053L. General Biochemistry I Laboratory (3). Corequisite: BCH 4053. Laboratory conference, one (1) hour; laboratory, six (6) hours. Laboratory methods in biochemistry including electrophoresis, chromatography, cell fractionation, enzyme assays, ligand interactions, and recombinant DNA technology.

BCH 4054. General Biochemistry II (3). Lecture, three (3) hours. Prerequisite: BCH 4053. Intermediary metabolism. Structure and expression of genetic information.

BCH 4605. Mammalian Biochemistry and Genetics (3). Lecture, three (3) hours. Prerequisites: BCH 4054 and PCB 3063. Biochemistry and molecular biology with the emphasis on mammalian systems. Biochemical basis of metabolic diseases.

Inorganic Chemistry

CHM 4610. Inorganic Chemistry (3). Lecture, three (3) hours. Prerequisites: CHM 2211 and CHM 2211L. Corequisite: CHM 4410 or instructor permission. Physical principles, systematics in the chemistry of periodic groups, descriptive chemistry of the inorganic elements. Topics such as atomic structure and the periodic classification of the elements, chemical bonding, chemical reaction, acid-base chemistry, chemistry of main group elements, and coordination chemistry of the transitional elements will be included.

CHM 4610L. Inorganic Chemistry Laboratory (1). Laboratory conference, one (1) hour; laboratory three (3) hours. Prerequisite: CHM 4610. Synthesis and characterization of inorganic compounds.

CHS 4100C. Techniques of Radiochemistry (3). Lecture, two (2) hours; laboratory, six (6) hours. Prerequisite: Physical chemistry or instructor permission. Principles of nuclear and radiochemistry. Techniques and applications of radiotracers are studied. The course is designed to prepare students in the theory and practice of nuclear science in chemistry and related science.

Organic Chemistry

CHM 2200. Survey of Organic Chemistry (3). Lecture, three (3) hours. Prerequisite: CHM 1032 or CHM 1045 and 1045L and CHM 1046 and 1046L. 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). Laboratory, four (4) hours. Corequisite: CHM 2200.

CHM 2210. Organic Chemistry I (3). Lecture, three (3) hours; recitation one (1) hour. Prerequisite: CHM 1046 and CHM 1046L with a grade of "C-" or better. Fundamentals of structure and chemical behavior of organic molecules. The first course in a sequence for chemistry majors, premedicine students, biologists, and others requiring good background in organic chemistry.

CHM 2211. Organic Chemistry II (3). Lecture, three (3) hours; recitation one (1) hour. Prerequisite: CHM 2210 with a grade of "C-" or better or instructor permission.

CHM 2211L. Organic Chemistry II Laboratory (3). Laboratory conference, one (1) hour; laboratory, seven (7) hours. Prerequisite: CHM 2210 with a grade of "C-" or better. Corequisite: CHM 2211.

Physical Chemistry

CHM 3400. General Physical Chemistry (4). Lecture, three (3) hours; recitation, one (1) hour. Prerequisites: CHM 1046, CHM 1046L, and calculus I. 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, 4411. Physical Chemistry I, II (3, 3). Lecture, three (3) hours. Prerequisites: CHM 1045 and CHM 1045L or instructor permission; MAC 2312 recommended. Corequisite: PHY 2049C. Thermodynamics, kinetic theory of gases, reaction kinetics, introduction to quantum mechanics, introduction to statistical mechanics.

CHM 4410L. Physicochemical Measurements and Techniques I (1). Laboratory, three (3) hours. Corequisite: CHM 4410. Satisfaction of the University's requirement for computer skills is recommended before attempting this course.

CHM 4411L. Physicochemical Measurements and Techniques II (2). Laboratory, six (6) hours. Prerequisite: CHM 4410L. 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).
- CHM 5506. Biophysical Chemistry and Macromolecules I (3).
- CHM 5507. Biophysical Chemistry and Macromolecules II (3).
- BCH 5745. Chemical and Physical Characterization of Biopolymers (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.)

Inorganic Chemistry

- CHS 5455C. Intermediate Inorganic Chemistry for Secondary Science Teachers (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.)

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 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 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 course work 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

Chair: Kamal S. Tawfiq; **Professors:** Nnaji, Ping, Tawfiq, Wekezer; **Associate Professors:** Abdelrazig, Abichou, Chan Hilton, Huang, Mtenga, Moses, Sobanjo, Spainhour; **Assistant Professors:** Chen, Rambo-Roddenberry; **Associate in Civil Engineering:** Adalier; **Assistant in Civil Engineering:** Liu, 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 work station. 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. The equipment includes a Silicon Graphics Origin 2000 technical server with sixteen parallel processors and a cluster of workstations for fast visualization and pre- and post- processing. 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. Desktop computers are supported by a cluster of Sun, DEC, and SGI servers. Other nearby resources include the School of Computational Science and Information Technology (CSIT). 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) degree in civil engineering. The civil engineering major is broad-based, emphasizing all aspects of civil engineering practice, including structural analysis

and design; geotechnical, construction/transportation, hydraulics, and water resources; and environmental engineering. Within the civil engineering program, the environmental engineering major is a course of study that focuses primarily on environmental engineering, hydraulics, hydrology, water resources, and the management of all types of wastewater systems. The department also offers a minor in environmental engineering science. Regardless of focus, all students are taught to apply state-of-the-art technologies to the solutions of 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. These programs provide areas of concentration in structural, geotechnical, environmental/water resources, and construction/transportation engineering. The department also offers a certificate in water and environmental resources engineering in partnership with the Center for Professional Development. Students may enroll as special students if they intend to use the certificate credits later. Students who do not wish to receive academic credit may sign up for continuing education units (CEU's). Twelve (12) semester hours are required to complete the program. Information and registration may be found at http://www.eng.fsu.edu/departments/cms/index.php?page=feeds_certs. 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 a Graduate Record Examination (GRE) score of at least 1000. 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 a minimum score of 1100 on the GRE. 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*.

Program Educational Objectives

Upon completion of their course of study, graduates of the program in civil engineering are expected to accomplish following:

1. Progress in successful professional careers in civil, environmental, or related engineering fields, or intent to continue their studies at the graduate level
2. Engage in design or management issues, both professional activities needed by society, which are based on sound academic knowledge, gained management, oral and written communication and leadership skills, and on engineering practices
3. Become recognized professional engineers with a demonstrated commitment to life-long learning and continuous self-improvement in order to respond to the rapid pace of change in the profession of civil and environmental engineering
4. Contribute to work force diversity as members and leaders of inter/multi-disciplinary teams

Program Outcomes

These objectives are further expanded and detailed through twelve program outcomes. The program outcomes are intellectual abilities that each student must gain from the program before he/she graduates. The following program outcomes are closely linked to program educational objectives.

- a. An ability to apply knowledge of the following: mathematics, through differential equations and probability and statistics; science, including calculus-based physics and general chemistry; and engineering, to subsequent problems
- b. An ability to design and conduct field and laboratory experiments, as well as to critically analyze and interpret data in more than one of the recognized civil engineering areas
- c. An ability to design systems, components, or processes gained through design experiences integrated throughout the curriculum
- d. An ability to function on interdisciplinary and multidisciplinary teams
- e. An ability to identify, formulate, and solve civil and environmental engineering problems
- f. An understanding of ethical and professional practice issues, including project design, execution, and delivery; and the importance of professional licensure and continuing education
- g. An ability to communicate effectively

- h. The broad education necessary to understand the impact of engineering solutions in a global/societal context
- i. A recognition of the need for and an ability to engage in lifelong learning
- j. Knowledge of contemporary civil and/or environmental issues
- k. An ability to use the techniques, skills, and modern engineering tools necessary for engineering practice
- l. Knowledge in a minimum of four recognized areas within the civil engineering program

Engineering Design

Following engineering design criteria established by the Accreditation Board for Engineering and Technology (ABET), the civil engineering curricula provide excellent design experiences for students. Faculty of the Department of Civil and Environmental Engineering have 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 course work 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 CWR 4202 Hydraulic Engineering I and CWR 4101 Engineering Hydrology. 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. ENC X101
2. ENC X102
3. MAC X311*
4. MAC X312*
5. MAC X313*
6. MAP X302
7. CHM X045/X045L*
8. PHY X048/X048L
9. PHY X049/X049L
10. Six (6) semester hours in humanities
11. Six (6) semester hours in social science

12. Three (3) additional semester hours in humanities or social science

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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)
- CCE 3101L Construction Materials Laboratory (1)
- CEG 2202 Site Investigation (4)
- CGN 2327L Civil Engineering Graphic Lab (1)
- EGM 3512 Engineering Mechanics (4)
- EGN 1004L First Year Engineering Lab (1)
- EGN 2123 Computer Graphics for Engineers (2)
- EGN 2212 Engineering Statistics and Computation (3)
- EGN 3331 Strength of Materials (3)
- EGN 3331L Strength of Materials Lab (1)
- EGN 3613 Principles of Engineering Economy (2)
- EEL 3003 Introduction to Electrical Engineering (3)

OR

- EML 3100 Thermodynamics (2)

Civil Engineering Science and Design Core Courses (Breadth)

- CEG 3011 Soil Mechanics (3)
- CEG 3011L Soil Mechanics Lab (1)
- CES 3100 Structural Analysis (4)
- CWR 3201 Hydraulics (3)
- CWR 3201L Hydraulics Lab (1)
- EES 3040 Introduction to Environmental Engineering Science (3)
- EES 3040L Introduction to Environmental Engineering Science Lab (1)
- TTE 3004 Transportation Engineering (3)

Civil Engineering Science and Design Courses (Depth)

Students must take the following courses in five (5) areas plus two additional Technical Electives* for a total of twenty-four (24) hours credit. To meet the requirement, students may select elective courses (as indicated below) to specialize their degree program to suit their individual objectives.

1. **Structures**
 - CES 4605 Steel Design (3)
 - CES 4702 Concrete Design (3)
2. **Geotechnical**
 - CEG 4801 Geotechnical Design (3)
3. **Construction**
 - CCE 4004 Construction Engineering (3)
4. **Transportation**
 - TTE 4XXX Transportation elective (3)
5. **Environmental/Water Resources**
 - ENV 4001 Environmental Engineering (3)

OR

- CWR 4202 Hydraulic Engineering I (3)

Additional Technical Electives*

- Elective 4XXX (3)
- Elective 4XXX (3)

Note: *Technical Electives are defined as 4000 level civil and environmental engineering courses. Other courses might be suitable to meet this requirement. Please see your adviser for details.

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	Site Investigation (4)
CGN 2327L	Civil Engineering Graphic Lab (1)
EES 3040	Introduction to Environmental Engineering Science (3)
EES 3040L	Introduction to Environmental Engineering Science Lab (1)
EGM 3512	Engineering Mechanics (4)
EGN 1004L	First Year Engineering Lab (1)
EGN 2123	Computer Graphics for Engineers (2)
EGN 2212	Engineering Statistics and Computation (3)
EGN 3331	Strength of Materials (3)
EGN 3613	Principles of Engineering Economy (2)
EEL 3003	Introduction to Electrical Engineering (3)

OR

EML 3100	Thermodynamics (2)
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Environmental Engineering Science and Design Core Courses (Breadth)

CCE 3101	Construction Materials (3)
CEG 3011	Soil Mechanics (3)
CEG 3011L	Soil Mechanics Laboratory (1)
CWR 3201	Hydraulics (3)
CWR 3201L	Hydraulics Laboratory (1)
ENV 4001	Environmental Engineering (3)
ENV 4031	Applied Environmental Engineering Microbiology (3)

OR

ENV 4xxx	Applied Environmental Engineering Chemistry(3)
TTE 3004	Transportation Engineering (3)

Environmental Engineering Science and Design Courses (Depth)

Students are required to take the following courses in four areas plus two additional Technical Electives* for a total of twenty-four (24) credit hours. To meet the requirement, students may select elective courses (as indicated below) to specialize their degree program to suit their individual objectives.

1. Environmental

ENV 4611	Environmental Impact Analysis (3)
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OR

ENV 4341	Solid and Hazardous Waste Engineering (3)
ENV 4XXX	Environmental Engineering elective (3)

2. Water Resources

CWR 4101	Engineering Hydrology (3)
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OR

CWR 4202	Hydraulic Engineering (3)
CWR 4XXX	Water Resources, Hydraulics or Hydrology elective (3)

3. Geotechnical

CEG 4801	Geotechnical Design (3)
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4. Construction /Transportation

TTE 4XXX	Transportation elective (3)
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OR

CCE 4XXX	Construction elective (3)
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Additional Technical Electives*

Elective 4XXX (3)

Elective 4XXX (3)

Note: *Technical Electives are defined as 4000 level civil and environmental engineering courses. Other courses might be suitable to meet this requirement. Please see your adviser for details.

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.

Course Repeat Policy

Criteria

A student in the Department of Civil and Environmental Engineering will be placed on probationary status if s/he falls into any of the following situations:

1. After declaring civil or environmental engineering as a major, accrues two grades below “C” in a single math, science, or engineering course that is required or a prerequisite in the curriculum.
2. After declaring civil or environmental engineering as a major accrues a total of three grades below “C” in math, science, or engineering courses that are required or a prerequisite in the curriculum and attempted.
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 advisor. 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 the following three courses are taken **in the listed sequence**, 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 Science
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 (12) semester hours of coursework in environmental engineering, including EES 3040 and ENV 4001 plus six (6) additional hours in courses with prefixes EES or ENV at the 3000 level or above, with no more than one (1) 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 stated 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 (6) 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

EGN—Engineering: General

ENV—Engineering: Environmental

TTE—Transportation Engineering

Undergraduate Courses

CCE 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.

CCE 3101L. Construction Materials Laboratory (1). Prerequisite: CCE 3101. In this course, students prepare concrete and asphalt specimens; test construction materials under compression, tension, torsion loading; and write formal laboratory reports.

CCE 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.

CCE 4014. Construction Cost Estimating (3). Prerequisites: CCE 3101 and EGN 3613. Corequisite: CCE 4004. Topics in this course include 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.

CCE 4031. Construction Planning and Scheduling (3). Prerequisite: CCE 4004. Topics in this course include 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 2202C. Site Investigation (4). Prerequisite: MAC 1114. This course covers basic principles and procedures of various elements of surveying and site investigation including distance measurements, leveling, angles and directions, traverse computations, geometric coordinates, topographic mapping, and highway horizontal and vertical curves. Contemporary surveying methods such as GPS and GIS are used. Lab includes use of field-surveying equipment and procedures.

CEG 3011. Soil Mechanics (3). Prerequisites: CEG 2202C. 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 (1). Prerequisite: CEG 3011. This course helps students determine physical, index, hydraulic and mechanical soil properties using laboratory and field testing techniques.

CEG 4801. Geotechnical Design (3). Prerequisites: 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.

CEG 4111. Foundation Engineering (3). Prerequisite: CEG 4801. The course covers analysis and design of shallow foundations, raft foundations, deep foundations, and sheet piles. The course also compares various foundation design methods.

CES 3100. Structural Analysis (4). Prerequisite: EGM 3512. Corequisites: EGN 2212 and 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 4330. Optimal Structural Engineering (3). Prerequisites: CES 4605, CES 4702, EGN 2212, and MAP 3305. This course covers standard theories of structural design and classical optimization, as well as the latest structural optimization methods.

CES 4605. Steel Design (3). Prerequisites: CES 3100 and EGN 3331. The 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 4704. Advanced Concrete Design (3). Prerequisites: CES 4101 and CES 4702. This course covers advanced topics pertaining to complex reinforced concrete elements and structures. Topics include analysis and design for torsion, biaxial columns, slender columns, two-way slabs, retaining walls, shear walls, deep beams, and the strut-and-tie method.

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 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 3949r. Cooperative Work Experience (0). (S/U grade only). Field work in an approved civil-engineering agency program for integration of theory and professional practice.

CGN 4800. Pre-senior Design and Professional Issues (2). Prerequisites: CGN 2327L 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: CGN 2327L or equivalent, CGN 4800, senior standing, completion of all basic and core courses, completion of at least one 4000-level course in each proficiency area, and 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. Faculty-directed independent research to be 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 (9) 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 (12) semester hours.

CWR 3201. Hydraulics (3). Prerequisites: EGM 3512, EGN 2212, and MAP 3305. 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, CWR 3201L, and EGN 2212 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, CWR 3201L, and EGN 2212 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 4306. Urban Stormwater Runoff (3). Prerequisite: CWR 3201, or instructor permission. Corequisite: ENV 4001. The course is intended to provide an understanding of (1) storm events, stormwater runoff, and effects of urbanization on stormwater quantity and quality; (2) methods of analysis; and (3) planning and design procedures for stormwater facilities.

CWR 4540. Water Resources Engineering (3). Prerequisites: CWR 4202 and EGN 2212. 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.

EGM 3512. Engineering Mechanics (4). Prerequisites: MAC 2312 and PHY 2048. 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 & Computation (3). Prerequisites: EGN 1004L and 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.

EES 2205C. Environmental Engineering Chemistry (4). Prerequisites: CHM 1045 and CHM 1045L. This course covers applications of fundamental principles from general, organic, and biological chemistry to major environmental processes. Emphasis is placed on organic/inorganic pollutants in water, soil, and air; chemistry of treatment processes; and toxicological chemistry.

EES 3040. Introduction to Environmental Engineering Science (3). Prerequisites: CHM 1045 and CHM 1045L. This course covers applications of environmental sciences to fundamentals of environmental engineering. Emphasis is on water and air pollution, their sources and treatment, solid and hazardous waste management, and contemporary environmental engineering issues.

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.

ENV 4001. Environmental Engineering (3). Prerequisites: CHM 1045, CWR 3201, EES 3040, and EES 3040L. 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, EES 3040L, and MAP 3305. 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). Prerequisites: EES 3040, EES 3040L, and ENV 4001. 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 4500. Environmental Unit Processes and Operations (3). Prerequisite: CWR 3201 and ENV 4001. The 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, EES 3040, and EES 3040L. 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. Topics include design of small and decentralized wastewater management systems.

ENV 4611. Environmental Impact Analysis (3). Prerequisites: EES 3040 and EES 3040L. Topics in this course include 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, EGN 2212, 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). Prerequisites: EGN 2212 and 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. The 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 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 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 5516. Numerical Models in Hydraulics (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 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 course work for thesis, dissertation, master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of CLASSICS

COLLEGE OF ARTS AND SCIENCES

Chair: Daniel J. Pullen; **Leon Golden Professor:** Marincola; **M. Lynette Thompson Professor:** de Grummond; **Professors:** Cairns, Pullen; **Associate Professors:** Fulkerson, Pfaff, Sickinger; **Assistant Professors:** Luke, Romano, Slaveva-Griffin, Stone, Stover; **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, or CGS 2100.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for these University degree programs. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Classics and Classical Language

Six to twelve (6–12) semester hours of course work in classics or a demonstration of proficiency by testing or completion of intermediate level

Greek, Classical

Six to twelve (6–12) semester hours of course work in Greek or a demonstration of proficiency by testing or completion of intermediate level

Latin

Six to twelve (6–12) semester hours of course work in Latin or a demonstration of proficiency by testing or completion of intermediate level

Requirements for a Major 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 of "C-" or lower 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 (24) semester hours above the 1000 level. Two courses at the 3000 level are required from among LNW 3211r, 3323r, and 4340r, along with six (6) additional semester hours at the 4000 level. At the discretion of the adviser, up to four (4) 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 (30) semester hours chosen in consultation with the departmental adviser. This program will normally include GRE 1120 and 1121.

Classics: Program A (Latin and Greek)

Thirty (30) semester hours in Greek and Latin chosen in consultation with the departmental adviser. At least twelve (12) 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 (24) semester hours of Latin.

Classics: Program B (Classical Civilization)

Thirty (30) semester hours chosen in consultation with the departmental adviser. Students must take at least twelve (12) 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 (12) 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 (30) semester hours of course work. 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 (12) semester hours of Latin or Greek required for the classical archaeology major, the BA degree requires twelve (12) semester hours of ancient or modern language study (three sequential four [4] semester hour courses). It is strongly recommended that the student fulfill the requirement through the study of French, German, or Italian. Three (3) semester hours of electives in classics are also required, to be chosen in consultation with the departmental adviser; only three (3) 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) degree with a joint major in classics and religion, a student must take (in addition to other college requirements) twenty-seven (27) semester hours in classics and eighteen (18) semester hours in religion. At least nine (9) semester hours at the 3000 or 4000 level in classics courses with prefixes ARH, ASH, CLA, or CLT are required. No more than eighteen (18) 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 (18) semester hours in religion, at least six (6) and no more than twelve (12) semester hours must be in the area of religions of western antiquity. Classics courses in which the student receives a grade of "C–" or below 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 (12) 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 (18) 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 (12) 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). 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). Survey of Greek art from the Bronze Age to the Hellenistic period and important archaeological discoveries in Greek lands.

ARH 3150. Art and Archaeology of Ancient Italy (3). Survey of art in Italy from the Etruscan and Roman periods and important Etruscan and Roman archaeological sites.

ARH 4110. Art and Archaeology of the Bronze Age in the Aegean (3). Study of the art and culture of prehistoric Crete and Greece and important monuments and archaeological sites.

ARH 4118. Archaeology of Ancient Egypt (3). Survey of the archaeology and art of ancient Egypt, from the Predynastic to 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). Study of Etruscan art and culture and important monuments and archaeological sites.

ARH 4131. Greek Art and Archaeology of the Fifth and Fourth Centuries B.C. (3). Study of classical Greek art and important monuments and archaeological sites.

ARH 4151. Art and Archaeology of the Early Roman Empire (3). Study of Roman art from Augustus through Hadrian and important monuments and archaeological sites.

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). Studies in specific aspects of the archaeology and art of Greece and Italy. May be repeated to a maximum of nine (9) semester hours.

ARH 4932r. Tutorial in Classical Archaeology (1–3). Prerequisites: ARH 3130, ARH 3150, and instructor permission. Readings and discussions within a small group of advanced undergraduates concerning a specific topic or research problem in classical archaeology. May be repeated to a maximum of six (6) semester hours.

ASH 3200. History of the Ancient Near East (3). Survey of the Near East—Anatolia, Mesopotamia, Egypt, the Holy Land—in the ancient period.

CLA 2010. Introduction to Greek and Roman Civilization (3). 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). 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). 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 2500. Ancient Greek Athletics (3). An introduction to the athletics of ancient Greece through an examination of archaeological evidence and literary texts.

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). 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). Study of specified periods of Greek history, whether Archaic, Classical, or Hellenistic. May be repeated to a maximum of six (6) semester hours.

CLA 4447r. Studies in Roman History (3). Study of specified periods of Roman history in the Republic or Empire. May be repeated to a maximum of six (6) semester hours.

CLA 4780r. Classical Archaeology: Fieldwork (1–6). Excavation experience through the Florida State University Field School at Cetamura, Italy. May be repeated to a maximum of twelve (12) semester hours.

CLA 4909r. Honors Work (1–6). Up to twelve (12) semester hours may be taken in honors work. May be repeated to a maximum of nine (9) 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 (9) semester hours of study in classical civilization or instructor permission. Special topics in classical culture presented around a seminar format. May be repeated to a maximum of six (6) 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 3370. Classical Mythology (3). 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 will deal in a comparative way with the shared elements and influences found in the mythological traditions of selected cultures (e.g. Sumerian, Egyptian, Mayan).

CLT 4291. Greek Tragedy (3). An intensive study of the tragedies of Aeschylus, Sophocles, and Euripides.

CLT 4340. Greek and Roman Epic (3). Study of the principal epics of the classical world in English translation.

CLT 4372r. Studies in Ancient Mythology (3). Specific topics in the study of ancient myth and its interpretation. May be repeated to a maximum of six (6) semester hours.

CLT 4905r. Directed Individual Study (1–4). May be repeated to a maximum of nine (9) semester hours.

EUH 4401. Classical Athens and Sparta (3). 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). 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). 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). 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). 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). 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). Translation, commentary, and interpretation of selected Greek works. May be repeated to a maximum of six (6) semester hours with change of content.

GRW 4210r. Greek Prose Writers (3). Translation, commentary, and interpretation of readings from Greek prose writers. May be repeated to a maximum of six (6) semester hours.

GRW 4301r. Greek Drama (3). Translation, commentary, and interpretation of selected Greek plays. May be repeated to a maximum of six (6) semester hours.

GRW 4340r. Greek Poetry (3). Translation, commentary, and interpretation of readings from selected Greek poets. May be repeated to a maximum of six (6) semester hours.

GRW 4500r. Greek Philosophical Writings (3). Translation, commentary, and interpretation of readings from the Greek philosophers or religious texts. May be repeated to a maximum of six (6) semester hours.

GRW 4905r. Directed Individual Study (1–4). May be repeated to a maximum of nine (9) semester hours.

LAT 1120, 1121. Beginning Latin I, II (4, 4). 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). 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 (6) 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 (6) semester hours.

LNW 4313. Plautus and Terence (3). Translation, commentary, and interpretation of selected plays from Plautus and Terence.

LNW 4320r. Roman Lyric, Elegiac, and Pastoral Poetry (3). 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 (6) semester hours.

LNW 4340r. Roman Epic (3). Translation, commentary, and interpretation of the works of Vergil or the other hexameter poets. May be repeated to a maximum of six (6) semester hours.

LNW 4360r. Roman Satire (3). Translation, commentary, and interpretation of selected readings from Horace and Persius, Juvenal, Martial, Petronius, or Apuleius. May be repeated to a maximum of six (6) semester hours.

LNW 4380r. The Roman Historians and Cicero (3). 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 (6) semester hours.

LNW 4905r. Directed Individual Study (1–4). May be repeated to a maximum of nine (9) semester hours.

LNW 4999r. Tutorial in Latin (1–3). Prerequisites: LNW 3211, LNW 3323, and instructor permission. 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 (6) 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 5885. Roman Law (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 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).
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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

**COGNITIVE SCIENCE:
see Graduate Bulletin**

Department of COMMUNICATION

COLLEGE OF COMMUNICATION

Chair: Stephen D. McDowell; **Professors:** Heald, Korzenny, Mayo, McDowell, Nudd, Sapolsky; **Associate Professors:** Adams, Arpan, Houck, Jordan, MacNamara, Pekurny, Opel, Raney, Rayburn; **Assistant Professors:** Bunz, Cortese, McClung, Proffitt; **Associates in Communication:** Aronoff, Gilmer, Halvorson, Lindsay, Solomon, Zeigler; **Assistants in Communication:** Laurents, Rodin; **Visiting Assistant Professors:** Castillo; **Associate Scholars/Scientists:** Dubard, Grise; **Professors Emeriti:** King, Minnick, Wotring, Young

The Department of Communication offers a degree in communication with four areas of emphasis. These programs 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 and communication studies; and (4) media production.

Each area of emphasis 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 department Web site at <http://www.comm.fsu.edu/comm>. 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 (2) years to complete.

In terms of both academic criteria and extracurricular accomplishments, the students in the Department of Communication are of the very highest caliber and quality. 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 and cable-casting 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 Department 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 Department 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 department Web site for information regarding graduate programs.

Note: Students not formally admitted to the Department of Communication are prohibited from enrolling in more than eighteen (18) semester hours of coursework in the Department of Communication (SPC 1016 and SPC 2600 do not count toward this eighteen [18] 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 2064, CGS 2100, or COM 4470.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Eighteen (18) semester hours outside the major, in addition to the thirty-six (36) hours of general education requirements.

Requirements

Admission Information

Communication is a limited access major. Acceptance into the Department of Communication and into the various areas of emphasis is highly competitive.

All students must apply separately to the University and the Department 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 Department 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, and media production, OR an overall GPA of 2.8 or higher on all college coursework to be considered for admission to media and communication studies
2. Be exempted from the CLAST examination by time of application
3. Have completed CLEP scores posted by time of application
4. Have all liberal studies course substitutions approved by the appropriate dean and posted by time of application
5. In addition, students must complete the following requirements by the end of the Spring semester in which they are applying:
 - a. A minimum of forty-three (43) semester hours of college coursework accepted by Florida State University
 - b. All liberal studies requirements
 - c. All Gordon Rule requirements.

The Application

Application information is available on the College of Communication Web site at <http://www.comm.fsu.edu>.

To be considered for Summer/Fall admission, completed applications must be received by the Department of Communication by the first business day in February at 5:00 PM. 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 Department 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 Department of Communication application for additional information regarding the review process.)

B. Media and Communication Studies

After meeting the Minimum Requirements for Application (above), the GPA in all college coursework will be the sole admission criterion.

Note: Majors are required to complete a language proficiency requirement prior to graduation. See the section entitled ‘Language Proficiency Requirements’ below.

Retention Standards

The Department 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 department or the major. Specifically, majors in the Department of Communication must maintain an overall GPA of 2.8 on all college course work 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 college’s Web site at <http://www.comm.fsu.edu>.

The Department 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 department’s language proficiency requirement; 2) only course work 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 Department of Communication. Students must undergo University and departmental graduation checks. Students who wish to intern must make arrangements with the faculty adviser and submit departmental 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 program in the Department of Communication during or after the 2003 admission cycle must achieve proficiency in one language other than English prior to graduation. As a department, 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 language, sign language, business language by taking course work to fulfill the department’s language proficiency requirement must earn at least a “C–” in each course; courses may not be taken on an S/U basis.

The department’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 Department 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 course work through the 2000 level (2200 or equivalent course) of a classical or modern language. A student taking course work to fulfill the department’s modern language requirement must earn at least a “C–” in each course; courses may not be taken on an S/U basis. Native speakers of another language and other students who wish to demonstrate proficiency by means other than course work 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.

Sign Language Proficiency. Students may satisfy the sign language proficiency requirement by completing SPA 1612C Beginning Sign Language, SPA 2613C Intermediate American Sign Language, and SPA 2614C Advanced American Sign Language. A student taking course work to fulfill the sign language requirement must earn at least a “C–” in each course; courses may not be taken on an S/U basis. Students who wish to demonstrate proficiency for sign language by means other than course work should consult the Department of Communication Disorders. Upon graduation, students who pursue the sign language proficiency option will receive a Bachelor of Arts (BA) degree.

Business Language Proficiency. Students may satisfy the business language proficiency requirement by completing the following course work for a total of nine (9) semester hours: ECO 2013 Principles of Macroeconomics, ECO 2023 Principles of Microeconomics, and one (1) of the following: STA 2023 Fundamental Business Statistics, or STA 2122 Introduction to Applied Statistics. A student taking course work 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 (12) 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 Department of Communication. Requirements for the minor are established by the minor department, which can be found under the appropriate entry of this *General Bulletin*. Minors must be declared with and approved by the Department of Communication, *UCC Suite 3100*. 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 Department of Communication do not need a minor. The required minor is applicable, however, to those pursuing a dual degree.

Interdepartmental Minor

A fifteen (15) semester hour interdepartmental minor is possible, provided that the course work is outside the Department of Communication and is approved in advance by the faculty adviser and the department chair.

Honors in the Major

The Department 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 Department of Communication offers a minor in communication on a space available basis only. The minor consists of twelve (12) semester hours in communication selected from the following courses:

ADV 3008	Principles of Advertising (3)
ADV 3352	Mass Media Law (3)
COM 3930	Special Topics (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)

Only course work 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 (6) semester hours of the communication minor must be taken in the Florida State University Department of Communication.

In cooperation with the College of Arts and Sciences, the Department 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, Television, and Recording Arts” chapter of this *General Bulletin*, or the departmental Web site at <http://www.fsu.edu/~film>.

The Department of Communication also offers a minor in hispanic marketing communication, and an Honors minor in London. Please contact the department 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 (39) semester hours. Students must retake any course with a grade below “C–”.
- **Required Minor.** A minor (or second major), approved by your adviser, is required. All minor work must be in a department other than the Department 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.fsu.edu/comm> 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.comm.fsu.edu>.

Media and Communication Studies

- **Career and Educational Goals.** Students graduating in this emphasis area should have a solid liberal arts education with an emphasis in communication studies. Degrees in 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 Department of Communication does not offer a program in print or broadcast journalism.)
- **Major Hours Required.** Thirty-three (33) semester hours. Students must retake any course with a grade below "C-."
- **Required Minor.** A minor (or second major), approved by your faculty adviser, is required. All minor work must be in a department other than the Department 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, theater, journalism (at FAMU), sociology, criminology, social sciences, American studies, women's studies, African-American studies, or British studies (the Florida State University London Program). A fifteen (15) semester hour interdepartmental minor is also possible, provided the course work is outside of the Department of Communication and is approved in advance by the faculty adviser and the department chair.
- **Internship.** The student may complete an internship (COM 4945) as an elective. A maximum of three (3) semester hours may count toward the communication studies emphasis area; however, students may register for a total of twelve (12) semester hours of internship credit.
- **Recommended Extracurricular Activities.** Speech and Debate, V89, Women in Communication, student government, theatre productions, Seminole Productions, WFSU, 4FSU.

Course Requirements for the Media and Communication Studies Emphasis

A listing of specific courses and requirements is available at <http://www.comm.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 Department 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 (39) semester hours are required in the media production area. Students must retake any course with a grade below "C-."
- **Required Minor.** A minor (or second major), approved by the student's faculty adviser, is required. All work must be in a department other than the Department 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, education, English,

political science, psychology, theatre, journalism (at FAMU), sociology, criminology, social sciences, American studies, or British studies (the Florida State University London Program). A fifteen (15) semester hour interdepartmental minor is also possible, provided the course work is outside the Department of Communication and is approved in advance by the faculty adviser and department chair.

- **Internship.** An internship (COM 4945r) is strongly recommended. A student may enroll for up to twelve (12) semester hours of internship, but a maximum of three (3) 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.comm.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). A foundation class in advertising where creativity is explored in a workshop environment.

ADV 3008. Principles of Advertising (3). Advertising and promotion as related to level of economic growth, cultural influences, and sociological environments.

ADV 3352. Mass Media Law (3). 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 US Hispanic marketing communication issues.

ADV 4300. Media Planning (3). Prerequisites: ADV 3008, COM 3310, and COM 3310L. Coordination of advertising and marketing research, planning, creative strategy, and selection of media and production activities leading to the development of advertising campaigns.

ADV 4500. Advertising Research (3). Prerequisite: ADV 3008. Survey, observational, and experimental methods and processes. Research design, planning, questionnaire construction, sampling, validity measurements, field work, tabulations, presentation, and interpretation.

ADV 4800. Creative Strategy II (3). Prerequisites: ADV 3008, ADV 3001, COM 3310, and COM 3310L. Creative and empathetic skills necessary in communicating via print and electronic media; utilizing these skills in creating integrated advertising campaigns.

COM 3110. Communication for Business and the Professions (3). This is a workplace-oriented course that provides practical education and experience in the performance of informative, persuasive, and special occasion speeches through individual and group presentations. Fulfills OCCR requirement.

COM 3310L. Communication Research Methods Laboratory (1). Corequisite: COM 3310. 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 3120. Communication for Organizing (3). Communication and group problem solving in bureaucracies.

COM 3310. Communication Research Methods (3). Prerequisites: STA 2023 and STA 2122. Corequisite: COM 3310L. Introduction to communication research methods. Examines survey, experimental, observational, and content analysis methods. Philosophy of science, research design, measurement, sampling, data collection, analysis, interpretation, and reporting.

COM 3332. New Communication Technology and Contemporary Society (3). Relates the design, development, and the use of new communication technologies to social, economic, and policy implications.

COM 3510. Political Communication and Campaigning (3). Campaigns, elections, and American politics in a communication framework; planning campaign strategies.

COM 3930r. Special Topics in Communication (3). An analysis of specialized topics of current concern in communication. May be repeated to a maximum of six (6) semester hours; duplicate registration allowed.

COM 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

COM 3950r. Communication Activities (1). (S/U grade only.) May be repeated to a maximum of four (4) semester hours; duplicate registration allowed.

- COM 4121. Foundation of Organizational Communication (3).** The course explores the use of communication in conjunction with the theory and practice of PM/OBM for increasing productivity and analyzing performance problems.
- COM 4123. Introduction to Assessing Organizational Communication (3).**
- COM 4330. Communication and the Internet (3).** Develops technical and communication skills in Internet-based communication technologies. Hands-on survey of Internet technologies with focus on communication issues, problems, and competencies. Lecture and lab.
- COM 4465. Communication and Conflict (3).** Introduces students to the theory and practice of conflict resolution with emphasis on the role of communication.
- COM 4470. Desktop Multimedia (3).** 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).** 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 (8) semester hours; duplicate registration allowed.
- COM 4909r. Honors Work (1-6).** For students in the honors program who are working on an honors thesis. May be repeated to a maximum of nine (9) semester hours; duplicate registration not allowed.
- COM 4910r. Application of Research Methods (1-3).** (S/U grade only.) Instructor approval required. 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 (4) semester hours; duplicate registration allowed.
- COM 4930r. Undergraduate Seminar in Communication (3).** Explores advanced communication issues with an emphasis on research. May be repeated to a maximum of six (6) semester hours; duplicate registration allowed.
- COM 4935r. Senior Seminar in Communication Studies (3).** Prerequisite: SPC 4680 or SPC 4710. This course is an advanced seminar in communication studies with an emphasis in legal communication studies, communication and culture, or rhetorical studies.
- COM 4937. Honors Preparatory Seminar (3).** Instructor approval required. Preparatory seminar for undergraduate Honors in the Major thesis. Includes survey of subfields, faculty research, and student research proposals.
- COM 4941r. Application of Instructional Methods (1-3).** (S/U grade only.) To provide experience in methods and strategies of teaching communication concepts within the University context. Individually designed to accommodate student's background and objectives. Instructor approval required. May be repeated to a maximum of three (3) semester hours; duplicate registration not allowed.
- COM 4945r. Communication Internship (1-12).** (S/U grade only.) Faculty adviser's approval required. 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 (12) semester hours; duplicate registration not allowed.
- FIL 2000. Elements of Film (3).** The purpose of this course is to provide 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.
- FIL 3803. The Contemporary Cinema: Theory and Practice (3).** Review and analysis of post-1950 motion pictures with emphasis on technique and industrial evolutions.
- MMC 2000. Introduction to the Mass Media (3).** A historical and social overview of the mass media and their relationship to the mass communication process in a modern society.
- MMC 4200. Media Legalities (3).** Prerequisite: RTV 3003. Review and application of media business practices and legal requirements involved in the conception and production of media content for radio and television.
- MMC 4300. Communication and Change: The Diffusion of Innovations (3).** 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 or RTV 3003. 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 or RTV 3003. 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).** Students collect, analyze, and perform personal narratives and everyday conversations.
- ORI 3110. Performance of Contemporary Literature (3).** Analysis of and practical experience in the performance of poetry and prose.
- PUR 3000. Introduction to Public Relations (3).** Designed to introduce the student to the principles and practices of the public relations profession throughout all organizations using public relations.
- PUR 3002. Public Relations Techniques (3).** Prerequisite: PUR 3000 and PUR 3100. Tools and techniques of public relations. Application of public relations principles.
- PUR 3100. Writing for Public Relations (3).** Prerequisite or corequisite: PUR 3000. 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. 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. Practical application of classroom principles in public relations settings. May be repeated to a maximum of twelve (12) semester hours.
- RTV 3001. Media Techniques (3).** Introduction to basic principles and terminology associated with photography, filmmaking, television, and radio.
- RTV 3003. Elements of Broadcasting (3).** 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).** Non-fiction writing for television and radio including public affairs, commercials, and documentaries.
- RTV 3206. Directing Performance for the Camera (3).** Prerequisite: RTV 3260. Students will direct student actors in a workshop setting. Actors and directors will gain experience with and appreciation for those on the other side of the camera. Lecture-laboratory.
- RTV 3220. Television Production (3).** 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. A course designed for students to gain experience in the production of television programs and video projects. May be repeated to a maximum of three (3) semester hours. Duplicate registration allowed.
- RTV 3228. Multiple Camera Studio Production (3).** Prerequisite: RTV 3260. 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. 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).** Course addresses direction and production of single-camera video projects including camera, audio, lighting, and linear editing.
- RTV 3263. Video Post Production (3).** 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).** Prerequisite: RTV 3260 RTV3263. Design and production of computer-generated graphics and animation for video projects.
- RTV 3310. Narrative Writing for Television and Film (3).** Development and writing of fictional scripts for television and film.
- RTV 3920. Television Workshop for Non-Majors (1-3).** (S/U grade only.) May not be applied toward communication major. A course designed for students to gain experience in the production of television programs and video projects. May be repeated twice to a maximum of three (3) semester hours.
- RTV 3926r. Radio Workshop (1-3).** (S/U grade only.) 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 (3) hours per week for one (1) hour of credit. May be repeated to a maximum of three (3) semester hours.
- RTV 3941r. Radio Practicum (3-6).** Prerequisite: Instructor permission. 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 (6) semester hours.
- RTV 4332. Documentary Video Production (3).** Corequisites: RTV 3101, 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. Producing and directing television programs and video projects. May be repeated to a maximum of six (6) semester hours.
- RTV 4504. Electronic Media Audience Measurement (3).** Prerequisites: ADV 3008 and RTV 3003. 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).** Prerequisite: MMC 2000 or RTV 3003. Purpose, function, organization, and programming of the radio and television station with an emphasis on research.
- RTV 4970. Senior Thesis in Production (3).** Prerequisites: Senior standing, twelve (12) semester hours of 3000 level production courses, and instructor permission. A culminating course for students in production. Individual students, focusing on areas they have mastered in intermediate courses, will produce senior thesis video projects.
- SPC 1016. Fundamentals of Speech (3).** Survey and application of communication theory, including interpersonal communication, small group communication, and public speaking.
- SPC 2600. Public Speaking (3).** Principles of and practical experience in public speaking. Required for all majors.
- SPC 3190. Applied Voice and Diction (3).** This course covers articulation, word choice, and pronunciation, and introduces the student to the speech production mechanism and how speech sounds are produced and classified.

- SPC 3210. Contemporary Human Communication (3).** An introductory course that surveys current scholarship in five areas of communication theory: group, rhetorical, interpersonal, legal, and performance communication.
- SPC 3231. Contemporary Rhetorical Theory (3).** 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).** Prerequisite: SPC 3210. Students examine the origins of rhetorical theory during the classical period. The course emphasizes ideas on rhetoric of Plato, Aristotle, Cicero, and Quintillion.
- SPC 3301. Interpersonal Communication (3).** 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).** Review of recent literature on nonverbal communication including such topics as kinesics, proxemics, kinesthetic behavior, environment, physical characteristics, and personal appearance.
- SPC 3350. Listening (3).** This course teaches students to understand the complexity of listening and the nature of listening in the human communication process. In order to help students learn to improve their own listening behavior, this course will stress six skill areas: 1) hearing messages, 2) understanding messages, 3) remembering messages, 4) interpreting messages, 5) evaluating messages, and 6) responding to messages.
- 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).** Competitive debate and individual events. Experienced students will develop and perfect their speaking skills in a highly competitive, structured format of instruction and competition. May be repeated to a maximum of eight (8) semester hours.
- SPC 3644. Rhetoric of Didactic Literature (3).** Prerequisite: SPC 3210. An analysis of drama as an instrument for advancing a political or social thesis.
- SPC 4360. Interviewing (3).** 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).** Recommended prerequisite: SPC 3425. A review of concepts and research in group process and group leadership.
- SPC 4516. Evidence (3).** Prerequisite: SPC 3513. The study of principles of evidence and proof in law, historical investigation, scientific discovery, and the social sciences. An analysis of argument and proof modes used for public policy decision making with an emphasis on developing standards of proof for public consumers of information as well as policymakers.
- SPC 4540. Persuasion (3).** 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).** Prerequisite: SPC 2600. 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).** Recommended prerequisite: SPC 2600. Examination of selected social and political issues that affect women today; analysis of content, lines of argument, supporting evidence, and rhetorical strategies.
- SPC 4680. Methods of Rhetorical Criticism (3).** 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 text.
- SPC 4710. Interracial/Intercultural Communication (3).** An exploration of interracial and intercultural communication and the philosophies that underlie the concept.
- SPC 4711. Gender and Communication (3).** 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.
- COM 5339.** Interactive Programming and Design for the Web (3).
- COM 5340.** Historical-Critical Methods of Research (3).
- COM 5401.** Analysis of Communication Theory (3).
- COM 5450.** Introduction to Project Management (3).
- COM 5451.** Advanced Topics in 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 (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 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 6469.** The Diffusion of Innovations (3).
- MMC 6920r.** Colloquium in Mass Communication (3).
- RTV 5253.** New Communication Technology Theory and Research (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 5655.** Political Rhetoric: Language and Persuasion (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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Graduate Courses

- ADV 5415.** Hispanic Marketing Communication (3).
- ADV 5416.** Multicultural Marketing Communication (3).
- ADV 5503.** Media Consumer Behavior (3).
- ADV 5505.** Media Market Research (3).
- ADV 5605.** Account Planning (3).
- ADV 5701.** Communication Career Futures (1). (S/U grade only.)
- COM 5126.** Organizational Communication Theory and Practice (3).
- COM 5127.** Assessing Organizational Communication (3).
- COM 5305r.** Interactive Communication Research (1–3).
- 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 5336r.** Interactive-Media Programming and Design (3).
- COM 5337.** Interactive Programming and Design for CD-ROM (3).
- COM 5338.** Web Site Usability and Design (3).

Department of COMMUNICATION DISORDERS

COLLEGE OF COMMUNICATION

Chair: Juliann Woods; **Professors:** Apel, Bourgeois, Goldstein, La Pointe, Wetherby, Woods; **Associate Professors:** Lasker, Morris, Stierwalt; **Assistant Professors:** Horton-Ikard, Jackson, Scott, Thomas-Tate, Wood; **Associate in Communication Disorders:** Hudson, McClung; **Assistants in Communication Disorders:** Justl, Kahn, Nimmons, Snowden; **Professors Emeriti:** Haas, Schendel

The mission of the department of Communication 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 speech-language pathologists to provide effective diagnostic and treatment services to individuals with a wide variety of speech, language, and hearing impairments. It prepares clinical scientists to generate new knowledge pertaining to communication processes and innovative strategies for evaluating and managing communication disorders. The mission is operationalized through clinical and instructional programs, professional and clinical service, and clinical research. The department provides education for students seeking the Bachelor of Science (BS), Master of Science (MS), Advanced Master (AM), and Doctor of Philosophy (PhD) degrees.

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 (SPA 1612C), Intermediate ASL (SPA 2613C), and Advanced ASL (SPA 2614C). ASL courses may not be taken for a Satisfactory/Unsatisfactory (S/U) or Pass/Fail (P/F) grade. Introduction to Signing Systems (SPA 2620) may not be used to fulfill the foreign language requirement.

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 exempt ASL coursework they need not complete. Consult with an academic adviser to determine if American Sign Language may fulfill this requirement for specific degree programs. The department does not offer a degree in education of the deaf nor in sign language interpretation.

Students enrolled in programs of the Department of Communication Disorders at Florida State University are provided unique experiences because of the learning environment. The department is a member of the College of Communication, which provides numerous collateral educational experiences. The L.L. Schendel Speech and Hearing Clinic provides 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 communicative disorders. This 40-room facility is the central focus of learning and service activities. Videotape laboratories, diagnostic audiology instrumentation, sound isolation rooms, non-speech systems, and a complement of other clinical resources serve for clinical instruction.

The department also maintains a number of communication science 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, emerging language and literacy, and adult language.

In addition, the department 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 (9) semester hours of course work from three different departments and three (3) semester hours of practicum from an approved list of courses and practica. No more than three (3) 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 disorders; family and child sciences; middle and secondary education; music education/therapy; nursing; nutrition, food and exercise sciences; physical education; psychology; social work; special education; human services and studies; and curriculum and instruction.

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 disorders satisfy this requirement by earning a grade of "C-" or higher in CGS 2082.

Requirements for an Undergraduate Major in Communication Disorders

Students normally enter the program at the junior level and must have a minimum grade point average (GPA) of 2.8 for all course work, have successfully completed Florida State University's liberal studies requirements, and have passed or been exempted from the CLAST. Admission to Florida State University does not ensure admission to the Department of Communication Disorders, **nor does attainment of the minimum grade point average.** Formal application to the department 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 department by March 1st. Students are recommended to include MAC 1105 and STA 2122 in their pre-major course work.

Students admitted into the Department of Communication 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 (SPA 2614C). 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 course work should consult the Department of Modern Languages and Linguistics, or for American Sign Language, the Department of Communication Disorders.

Fulfilling the language requirement for the department 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 (9) semester hours in the fields of humanities or history beyond the liberal studies requirements. Please consult the "Undergraduate Degree Requirements" section 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 department'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 Department of Communication Disorders foreign language graduation requirement for BA/BS students.

The curriculum leading to the baccalaureate degree combines liberal arts education with pre-professional preparation for the graduate program in the department 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 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 course work.

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; and 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 certificate 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.

Requirements for a Minor in Communication Disorders

Requirements for an undergraduate minor in communication disorders are fourteen (14) semester hours in departmental courses, with a grade of “C–” or better in each course. At least six (6) of the fourteen (14) semester hours must be completed at Florida State University. No more than eight (8) hours of sign language may count toward the minor. **Sign language courses used to satisfy the foreign language requirement cannot count toward the minor.** Departmental approval must be obtained to register for certain courses in the minor. The minor application can be found at <http://www.comm.fsu.edu/commdis> or by contacting the department’s Academic Program Assistant at 644-2253. This form must be completed and signed by a student’s academic adviser before it is submitted to the department. Please note that a minor in the department does not qualify a student for professional certification or licensure.

Definition of Prefixes

ASL—American Sign Language

CGS—Computer General Studies

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.

CGS 2082. Computer Use in Communication Disorders (2). Introduction to computer use for students in communication disorders. Students develop competency in use of word processing, spreadsheet, and presentation software and in merging and inserting material across file types. Students learn effective ways to use search engines for scholarly material, to evaluate material from the Web and to share files.

LIN 3200. Fundamentals of Phonetics (3). 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.

LIN 3200L. Fundamentals of Phonetics Laboratory (1). Prerequisite: Communication-disorders major status. Corequisite: LIN 3200. Laboratory for LIN 3200.

LIN 3710. Normal Communication Development (3). Presents an overview of the cognitive, social, and neurological bases of communication development. Delineates the stages of language development for pragmatics, semantics, and syntax. Highlights the language differences of nonstandard English dialects and bilingualism and introduces language disorders.

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 3000. Introduction to Language Development and Communication Disorders (3). Normal language and speech development. Overview of major communication disorders and their causes and the nature of hearing disabilities. Nonmajors only.

SPA 3002. Introduction to Speech, Language, Hearing Disorders and Services (3). This introductory course provides an overview of speech, language, and hearing disorders and services across the life span. Students gain knowledge of service delivery models for assessment, intervention, and prevention of communication differences and disorders through reading, observation of clinical practice, and class participation in experiential learning activities.

SPA 3201. Phonological Development and Disorders (3). Prerequisite: LIN 3200C. Types of articulation problems and their etiologies; diagnostic techniques for articulation. A laboratory is required.

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 4011C. Introduction to Communication Science (4). 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. Supervised practice in therapeutic procedures with persons with various speech-language problems. May be repeated to a maximum of three (3) 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). 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. Normal neuroanatomy, neurophysiology, and neuropathologies affecting communication. Prior anatomy and physiology of speech mechanisms needed.

SPA 4222. Introduction to Fluency Disorders (3). Nature and causes of stuttering disorders; theory and treatment.

SPA 4255. Developmental Communication Disorders (3). Course content 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). 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. Diagnostic-evaluation and (re)habilitation techniques.

SPA 4400. Children’s Language Disorders (3). Prerequisite: LIN 3710. Introduction to etiologies, behavioral observations, tests, and basic management procedures of language impairment.

SPA 4411. Acquired Language Disorders (3). Prerequisites: LIN 3710 and SPA 4104. Provides the student with the etiological, diagnostic, prognostic, psychosocial, and clinical management aspects of aphasia, apraxia, and dementia; also includes communication problems of patients with right hemisphere damage.

SPA 4431. Nature of Autism and Severe Communication Disorders (3). The purpose of this course is to provide 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 (6) semester hours.

SPA 4800. Research Evaluation (3). Elements of quantitative research; application of psychophysiological research methods to human communication problems.

SPA 4905r. Directed Individual Study (1–3). May be repeated to a maximum of eight (8) semester hours. Students may enroll in more than one section during the same semester.

SPA 4930r. Undergraduate Seminar in Communication Disorders (1–3). Prerequisite: Instructor permission. A seminar to provide 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 (6) semester hours.

SPA 4970r. Honors Thesis in Communication Disorders (1–6). Prerequisites: Admission to honors program and admission to the department of communication disorders. 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 (9) semester hours.

Graduate Courses

SPA 5055r. Professional Tools in Speech-Language Pathology (1–3).

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 (1–3).
 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 (1).
 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 5564. Communication and Aging (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 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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Program in COMPUTATIONAL SCIENCE

COLLEGE OF ARTS AND SCIENCES

Director: Max D. Gunzburger

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. Broad, cross-curricular training is crucial to maximizing the effectiveness of the computational scientist. As an interdisciplinary field of study, therefore, the main goal of computational science is the development of computational tools that have applicability over a range of scientific disciplines.

The faculty of Florida State University's **School of Computational Science (SCS)** consists of biochemists, biologists, computer scientists, engineers, geophysicists, mathematicians and physicists, with an even broader spectrum of interests to be represented in the future. These scholars and experts ensure that the school is ideally positioned to offer an innovative graduate program that imparts a synergy between disciplines, thus providing the student with extensive interdisciplinary training.

The graduate programs in computational science at FSU are recent innovations; the MS program began in the fall of 2006, and the PhD track launched in the fall of 2007. For the latest information about the status of programs and new courses, please refer to our Web site at <http://www.scs.fsu.edu>.

Admission Requirements

Note: Please review all University and college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of the *Graduate Bulletin*.

Students considering graduate work in computational science should exhibit a strong desire to develop, analyze and implement computational algorithms. Typically, incoming students will hold a Bachelor's degree in mathematics, computer science, an applied science or engineering, and will be proficient in at least one object-oriented programming language.

An application for admission, application fee, official transcript from each college attended, and a transcript of Graduate Record Examinations (GRE) scores should be sent to the *Office of Admissions, A2500 University Center, Florida State University, Tallahassee, FL 32306-2400*. Note that domestic students may submit an application online.

In addition, the following information should be submitted to Graduate Director, *400 Dirac Science Library, Florida State University, Tallahassee, FL 32306-4120*: 1) a letter of intent that explains the basis for the applicant's pursuit of the degree and his/her experience and commitment to the field of computational science, 2) a curriculum vitae, and 3) three letters of recommendation from individuals who know the applicant's education and/or professional background. In addition, the applicant should complete the online application for SCS found at our Web site. A student seeking admission to the program should have taken the aptitude test of the Graduate Record Examinations (GRE) within the last three years with a minimum combined score of 1100 (a minimum of 650 on the quantitative aptitude portion). Foreign nationals whose native language is not English must take the TOEFL examination with a minimum score of 550 or the equivalent.

The student should also refer to the SCS Web site or contact the graduate administrator for any revisions to the requirements listed above since publication of this document.

Definition of Prefix

ISC—Interdisciplinary Natural Science

Undergraduate Courses

ISC 3313. Introduction to Scientific Computing (3). Prerequisite: MAC 2311. Corequisite: 2312.

ISC 4933r. Selected Topics in Computational Science (3). Prerequisite: Instructor permission. May be repeated to twelve (12) semester hours.

Graduate Courses

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. Markov Chain Monte Carlo Simulations (3).

ISC 5229. Multiscale Modeling of Materials (3).

ISC 5305. Scientific Programming (3).

ISC 5306. Programming Skills for Computational Biology and Bioinformatics (3).

ISC 5307. Scientific Visualization (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 5906r. Directed Individual Study in Computational Science (1-3).

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 8964r. Doctoral Qualifying Examination (0).

ISC 8965r. Doctoral Preliminary Examination (0).

ISC 8977r. Master's Thesis Defense (0).

ISC 8982. Dissertation Defense (0).

Department of COMPUTER SCIENCE

COLLEGE OF ARTS AND SCIENCES

Chair: David Whalley; **Professors:** Aggarwal, Baker, Burmester, Gallivan, Hawkes, Mascagni, Whalley; **Associate Professors:** Liu, Schwartz, G. Srinivasan, Tyson, Van Engelen, Yasinsac, Yuan; **Assistant Professors:** Duan, Kumar, Li, Wang, Zhang; **Courtesy Professors:** de Medeiros, Desmedt, Evans, Jones; **Associates in Computer Science:** Baldauf, Lacher, Langley, Myers, Stoecklin, A. Tyson; **Assistant in Computer Science:** Chang; **Professors Emeriti:** Kohout, Lacher, Levitz

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 in a) core disciplines such as programming languages, compilers, real-time systems, networks, parallel computation, databases, fault tolerance, and foundations; b) scientific and engineering applications areas, including scientific problem solving environments and large-scale scientific computation and databases; c) computer and network security, including cryptography; and d) other areas, including neural networks, expert networks, and fuzzy sets and systems. These research programs enjoy external support from agencies ranging from the National Science Foundation to the private sector.

Several research institutes and research centers have been established at the University. Several of our faculty members work closely with one of these, the **School of Computational Science (SCS)**. It was established as a University-based multidisciplinary program to develop new algorithms and numerical methods to exploit various supercomputer architectural characteristics. Partially funded by the U.S. Department of Energy, SCS consists of scientists, postdoctoral research fellows, graduate students, and supporting technical and administrative staff.

The Department of Computer Science has a full range of computing facilities available for a variety of instructional and research needs. 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 research equipment and may access other machines, including supercomputers and computer clusters, across the University.

Other affiliated research laboratories and research groups include the following:

- **The Security and Assurance in Information Technology (SAIT) Laboratory** 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** 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 Vision (CAVIS) Laboratory** conducts research motivated by psychophysical data and neurophysiological findings to develop models for real-world problems.
- **The Large-scale Experimental Networks and Systems (LENS) Group** investigates issues in networking and systems such as QoS routing, communication algorithms, overlay networks, performance analysis, and message passing libraries.
- **The Florida Cybersecurity Institute (FCI)** is a joint venture of the Florida Department of Law Enforcement (FDLE), Florida State University (FSU), and the National White Collar Crime Center (NW3C). It conducts research and educational activities in support of cybersecurity and cybercrime analysis and investigation.

Active research groups also study the following: brain imaging, realistic illumination, Web-based 3D simulation, tools for distributed applications, tools

for weather forecasting, probabilistic networks, knowledge-based management decision tools, random number generation, Monte Carlo and Quasi-Monte Carlo methods, grid-based computing, POSIX/Ada Real-time systems, application of fuzzy relations and non-classical logics, and modeling and simulation environments.

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) and Master of Arts (MA) degrees, 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 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 departmental adviser for more information.

The department also offers an interdisciplinary BS degree in computational biology in conjunction with the Department of Biological Science. 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 addition, the computer science 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.

Accreditation

The undergraduate degree program in computer science, including both the computer science and software engineering majors, 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 this accreditation is specifically for the computer science degree program and is not applicable to the computational biology degree program or the computer criminology degree program. Note also that the software engineering major within the computer science degree program is not accredited as a software engineering degree program by the ABET Engineering Accreditation Commission.

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://learningforlife.fsu.edu/apps/>.

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 majors in computer science satisfy this requirement by earning a grade of "C-" or higher in COP 4530.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. COP XXXX (introductory programming in Ada, C, C++, or PASCAL or equivalent language)
2. MAC X311
3. MAC X312
4. PHY X048/X048L or PHY X048C
5. PHY X049/X049L or PHY X049C
6. Two science courses (six [6] semester hours) for science majors

College Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Requirements for the Degree Program in Computer Science

The undergraduate program in computer science is limited access. For each admission cycle (academic year) a minimum GPA is established by the Department of Computer Science. In addition, students must have completed the State of Florida Common Course Prerequisite (MAC X311 and COP XXXX, Introductory Programming in C/C++ or Java) with a grade of "C-" or better in order to be considered for entrance. Upon entrance into the program, the student must maintain a 2.35 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.

Currently, there are two majors for the CS Bachelor's degree: computer science (CS), and software engineering (SE). A distance-learning version of these majors is offered through the Panama City campus.

Note: The term "major" as used to describe the software engineering program is often called a "track" or "option" in other states or at other universities. In the following listing of requirements, courses that are required for only one major are marked with the major abbreviation in parentheses.

A grade of "C-" or better must be earned in each of the following courses: CDA 3100, 3101; CEN 4020, CEN 4021; COP 3014, 3330, 3353, 4020 (CS); 4530, 4531, 4610, 4710; COT 4420(CS); CEN 4425(SE); MAC 2311, 2312; MAD 2104, 3105; SPC 2600; STA 4442.

In addition, the student must complete at least eleven (11) semester hours of computer science electives, at least nine (9) semester hours of which must be at the 4000 level. Additionally, SE major students must take an advanced math elective. For the CS major, one of the 4000 level computer science electives may be replaced with an advanced math elective. The advanced math elective must be a mathematics or statistics course with a prerequisite of calculus or discrete mathematics. One of the computer science electives must cover an additional programming language not presented in the other required course offerings. **All CGS courses, individual instruction courses such as CIS 3949r Internship in Computer Science, and CIS 4900 Directed Individual Study will not count toward the CS electives.** The student must complete PHY 2048C, 2049C, and three (3) additional semester hours of science in a discipline other than physics. All courses used to satisfy the science requirement must be identified as "For Science Majors" within the Liberal Studies Program (or have such a course as a prerequisite). Approval is to be requested prior to registration for the elective courses. All students are required to complete an exit survey for both the Department of Computer Science and the College of Arts and Sciences during their term of graduation. These forms may be obtained from the Academic Coordinator's Office (*Room 203C Love Building*). Students following this degree will complete a total of at least one hundred twenty (120) semester hours in order to satisfy all University and major requirements.

The required collateral courses in mathematics, physics, and statistics constitute an acceptable interdisciplinary minor for students in the Computer Science degree program. Students may contact the undergraduate adviser for information concerning other acceptable minors.

Note: These requirements are subject to change. Please refer to <http://www.cs.fsu.edu/current/undergrad/> for the most current information.

Requirements for the Degree Program in Computational Biology

The common prerequisites for this program are currently being determined. Lower-division students should complete the 1000 and 2000-level science and

calculus courses listed below. The undergraduate program in computational biology has the following requirements. Note that students must complete all applicable university and college requirements. All courses applicable to the major must be completed with a grade of "C-" or better.

From the biological sciences, students must complete BSC 2010, BSC 2011, PCB 3063, and PCB 4674, for a total of eighteen (18) hours. In addition, six (6) hours of biological science elective credits must be chosen from: BOT 4394, BSC 2010L, BSC 2011L, BSC 4613, MCB 4403, MCB 4403L, PCB 3134, PCB 3743, PCB 4024, PCB 4233, PCB 4253, and PCB 4843.

From the computer science department, students must complete CDA 3100, COP 3014, COP 3330, COP 3353, and COP 4530, for a total of sixteen (16) hours. In addition, three (3) hours of computer science elective credit must be chosen from: CDA 3101, COP 4531, COP 4710 and COT 4420.

For the capstone courses, students must complete BSC 4933r and CIS 4930r for a total of six (6) hours. In addition, the following must be completed: Mathematics/Statistics: MAC 2311, MAC 2312, MAD 2104 and STA 2171 totaling fifteen (15) hours; Physics: PHY 2048C or PHY 2053C and PHY 2049C or PHY 2054C totaling eight (8) or ten (10) hours; Chemistry: CHM 1045, CHM 1045L, CHM 1046 and CHM 1046L totaling eight (8) hours.

Requirements for the Degree Program in Computer Criminology

The undergraduate program in computer criminology has the following requirements. All students must complete all applicable university and college requirements. All courses applicable to the major must be completed with a grade of "C-" or better.

From the computer science department, students must complete the following core: COP 3014, COP 3353, COP 3330 and CDA 3100 totaling ten (10) hours. A total of twelve (12) elective hours must be completed, chosen from CDA 4503, CIS 4360, CIS 4361, CIS 4362, CIS 4407, COP 4342, COP 4530, COP 4610 and COP 4710. The capstone course CIS 4930 must be completed for three (3) credits.

From criminology, students must complete the following core: CCJ 3011, CJE 4610, CJL 4064 and CCJ 4700, totaling twelve (12) hours. A total of nine (9) elective hours must be completed, chosen from CJL 3510, CJE 3110, CCJ 3664, CCJ 4010, CCJ 4209 and CCJ 4610. The capstone course CCJ 4938 must be completed for three (3) credits.

In Mathematics, students must complete MAD 2104 for three (3) hours.

Requirements for a Minor in Computer Science

A minor in computer science consists of twelve (12) semester hours in a specific combination of computer science courses for which the student has obtained **written approval in advance** from the department. Students must also satisfy stated prerequisites before enrolling in any computer science course. A grade of "C-" or better must be earned in each course counted toward the minor.

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

Note: Before taking any computer science 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 CDA 4150 may not subsequently enroll in CDA 3101 or MAD 3105.

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). Prerequisite: 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). Prerequisite: COP 4530. Topics include: 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 is a core course 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. Fundamental concepts in processor design, including datapath and control, pipelining, memory hierarchies, and I/O.

CDA 4150. Computer Architecture (3). Prerequisites: CDA 3101 and MAD 3105. High performance architecture design and analysis, including memory-system design, pipelining, vector computers, and multiprocessors.

CEN 4010. Software Engineering Principles and Practice (3). Prerequisite: CEN 4020 and COP 3331, as well as experience creating or changing a large software system; and putting principles of software engineering to practice. May be repeated to a maximum of six (6) semester hours. Topics in this course include 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.

CEN 4020. Software Engineering I (3). Prerequisite: COP 4530. The first of a two-semester sequence on project-system development, this course focuses on the requirements of software engineering and bridges the gap between project theory and practice. Topics include theory, tools, requirements elicitation, software-requirements specification, requirements review, software development, ethics, software-development life cycle, teams, and project management.

CEN 4021. Software Engineering II (3). Prerequisites: CEN 4020 and STA 4442. The second of a two-semester sequence on project-system development, this course 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). Prerequisite: COP 4530. Topics include: definitions and historical development, methodology tools for analysis and design, survey of existing systems, inference engines, and the theory and applications of fuzzy relational products to new developments in inference engines.

CGS 2060. Computer Literacy (3). Not open to students with credit in CGS 2100. An introduction to information processing and computer applications. Hands-on experience with microcomputer applications such as word processors, spreadsheets, and database managers.

CGS 2064. Computer Literacy II (3). Prerequisite: CGS 2060 or instructor permission. This course builds on skills and concepts learned in CGS 2060 Computer Literacy, to show students 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. Computer Literacy or equivalent computer experience is required for admission.

CGS 2100. Microcomputer Applications for Business/Economics (3). Prerequisite: MAC 1105. May not be applied toward computer science major or minor. Not open to students with credit in CGS 2060. 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.

CGS 2930r. Special Topics for Non-Majors (1-3). This is a special topics course 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 (3) 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 3403. Introduction to COBOL Programming for Business (3). Prerequisite: CGS 3406 or COP 3014. May not be applied toward a computer science major. Study of the use and management of COBOL in business and government organizations. Specific programs are developed to solve typical management and data-processing problems. Structured approaches to problems and design solutions are discussed in detail. Also taught by the College of Business.

CGS 3406. Object-Oriented Programming in C++ (3). Prerequisite: MAC 1140. May not be applied toward a computer science major. Topics include 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.

CGS 3408. 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.

CGS 3416. Java Programming for Non-specialists (3). Prerequisite: CGS 3406 or COP 3014. Topics include 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 3460. FORTRAN for Non-specialists (3). Prerequisite: MAC 1105. May not be applied toward a computer science major. Introduction to programming; rudiments of FORTRAN, problem solving by computer, basic data types, basic control structures, arrays and subscripts, further control structures, subprograms, formatted input/output.

CIS 3931r. Intermediate Topics in Computer Science (2-3). Prerequisite: COP 3502. Topic and prerequisites will vary from term to term and section to section. Analyzes intermediate topics in the area of computer science. 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 (9) semester hours.

CIS 3943r. Internship in Computer Science (3-6). (S/U grade only.) Prerequisites: COP 4530; successful completion of 60 hours of course work with a minimum overall GPA of 3.0, including 15 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. 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 (3) 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 (12) semester hours.

CIS 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Work experience with a firm or agency to be determined on an individual basis. May be repeated to a maximum of six (6) times.

CIS 4360. Introduction to Computer Security (3). Prerequisite: CGS 3406 or COP 3014 or equivalent programming course. 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 and COP 3330. 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 counter-measure design.

CIS 4900r. Directed Individual Study (1-4). May be repeated to a maximum of twelve (12) semester hours.

CIS 4930r. Special Topics in Computer Science (3). Prerequisite: at least six (6) semester hours in computer science or software engineering at or above the 4000 level. May be repeated to a maximum of twelve (12) semester hours.

CIS 4933r. Honors Work (3). May be repeated to a maximum of nine (9) semester hours.

CNT 4406. Network Security and Cryptography (3). Prerequisites: COP 4530 or MAD2104. 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). Prerequisite: COP 4503. 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 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 2721. Introduction to Database Systems and Internet Services (3). This course is a hands-on introduction to the principles of computer hardware and software, database systems, and the Internet. It explores the concepts and techniques that support Web site development. Students learn to design and implement simple database systems and to create Web sites that interact with databases.

COP 3014. Programming I (3). Prerequisite: MAC 1140. 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 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: COP3014. Corequisite: COP3353. 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. May not be applied toward a major in computer science. 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.

COP 4020. Programming Languages (3). Prerequisite: COP 4530. A survey of programming languages and language features and an introduction to compilers. Languages to be discussed include Fortran, Pascal, Ada, PL/1, APL, and Lisp. Oral presentation required.

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. Prerequisite or corequisite: CDA 3100. 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, MAD 3105, and STA 4442. 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). Prerequisite: COP 4530. Prerequisite or corequisite: CDA 3101 or instructor permission. 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. 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 4710. Theory and Structure of Databases (3). Prerequisites: COP 3330 and MAD 2104. 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. 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. 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 5615.** Artificial Neural Networks (3).
- CAP 5632.** Automated Reasoning (3).
- CAP 5638.** Pattern Recognition (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).

CEN 5066. Software Engineering in Graphics (3).

CEN 5720. Computer-Human Interaction (3).

CGS 5067. Advanced Navigating the Internet (3). (S/U grade only.)

CGS 5266. Digital Design (3). (S/U grade only.)

CGS 5267. Principles of Computer Organization (3). (S/U grade only.)

CGS 5275. Assembly and Machine Language (2). (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 5469. FORTRAN for Graduate Nonspecialists (3). (S/U grade only.)

CGS 5765. Principles Operating Systems (3). (S/U grade only.)

CIS 5370. Computer Security (3).

CIS 5371. Cryptography (3).

CIS 5900r. Directed Individual Study (1–4). (S/U grade only.)

CIS 5910r. Supervised Research (1–5). (S/U grade only.)

CIS 5915r. Graduate Software Project (1–9). (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 5570. Advanced UNIX Programming (3).

COP 5611. 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 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).

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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

CONSUMER AFFAIRS:
see Textiles and Consumer Sciences

COUNSELING PSYCHOLOGY AND HUMAN SYSTEMS:
see Educational Psychology and Learning Systems

CRIMINOLOGY AND CRIMINAL JUSTICE

COLLEGE OF CRIMINOLOGY AND CRIMINAL JUSTICE

Professors: Baumer, Blomberg, Chiricos, Doerner, Gertz, Kleck, Maier-Katkin, Waldo; **Associate Professors:** Bales, Bullington, Coonan, Greek, Hay, Mears, Stewart; **Assistant Professors:** Bacon, Barker, Beaver, Close, Stults, Warren

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 criminal justice as well as 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. Certificates are available in corrections, law enforcement, and security administration, as well as one in underwater crime-scene investigation (UCSI) offered at the Panama City campus. 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.

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 and criminal justice must make a "C" or better in the three (3) core courses and maintain a major GPA of 2.0. A student who has accumulated three (3) 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 in criminology or criminal justice.

Students majoring in computer criminology must earn a "C" or better in core courses CCJ3011 and CCJ4700, 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 (4) 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 students majoring in criminology and criminal justice 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 for Computer Criminology

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. COP XXXX, three (3) credit hours in Computer Programming
2. MAC X105, three (3) credit hours in College Algebra
3. MAC X140, three (3) credit hours in Precalculus Algebra

Note: Students should consult with an academic advisor in the major degree area. See the department for details.

Major Requirements for Criminology and Criminal Justice

To major in criminology and criminal justice, a student must complete thirty-six (36) semester hours in criminology and criminal justice coursework, including three (3) core courses. The three (3) 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 (15 semester hour) internship is available. If a student chooses to take the internship, only three (3) of the fifteen (15) semester hours will count toward the required thirty-six (36) hours in the major. Students in the major are required to complete 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 (27) semester hours must be earned at Florida State University in the College of Criminology and Criminal Justice; the University requires the last thirty (30) 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 (52) semester hours in criminology and criminal justice, computer science, and mathematics courses. Students will complete twenty-four (24) hours in criminology and criminal justice and twenty-five (25) hours in computer science course work that includes eight (8) core courses. The required core courses from criminology and criminal justice are CCJ 3011, CCJ 4700, CJE 4610, CJL 4064, and COP 3353. The required core courses from computer science are CDA 3100, COP 3014, COP 3330. A total of six (6) hours of capstone coursework representing criminology and criminal justice and computer science is required. Students must also complete three (3) hours of Discrete Math, MAD 2104, with MAC 1105 and MAC 1140 as prerequisites. From an approved list students, will choose nine (9) additional hours in criminology and criminal justice as well as twelve (12) additional hours in computer science coursework. Students must earn a "C" or better in 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 (4) 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 (30) 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 2020, CCJ 3634, CCJ 36666, CCJ 4209, CCJ 4610, CCJ 4816, CDA 4503, CIS 4360, CIS 4361, CIS 4407, CJE 3110, CJJ 4010, CJL 3510, COP 4342, COP 4530, COP 4610, COP 4710.

Minor Requirements

For information concerning requirements for a minor in criminology and criminal justice, 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) and have satisfied the CLAST 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, 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 four certificate programs: corrections, law enforcement, and security administration, as well as one in underwater crime scene investigation offered at the Panama City campus.

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

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). 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). 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 3654. Drugs, Drug Users, and the Justice System (3). This course provides an introduction into the history, pharmacology, health consequences, and crime-related aspects of mind-affecting drugs. Emphasis on effects on criminal behavior, the legal response to the problem, and treatment and prevention of abuse.

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 3667. 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 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 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

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). Introduces an understanding into normal human behavior and development in social context.

CCJ 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.

CCJ 4209. Courts and Social Policy (3). Examines the role the courts pursue 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 will be examined using current social policy. (Satisfies oral communication).

CCJ 4283. Historical, Philosophical, and Ethical Issues in the Criminal Justice System (3). Provides an examination of the most important foundational, philosophical, and ethical issues in the criminal justice system, which include the justification of criminal law, the relationship between law and morality, and the moral rationale of punishment.

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). Introduces the study of 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 4610. Criminal and Delinquent Behavior (3). Examination of patterns of criminal and delinquent behaviors in light of theories and classification concepts.

CCJ 4662. Minorities, Crime, and Social Policy (3). 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). 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). Basic methodological and statistical issues in criminology.

CCJ 4816. Public and Private Security (3). Introduces 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.

CCJ 4905r. Directed Individual Study (1–4). 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 (12) semester hours. Enrollment requires prior approval of instructor and dean.

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 (12) semester hours.

CCJ 4933r. Seminar in Criminology (3). Introduces varying topics of selected interest and contemporary significance, discussed in a seminar format. May be repeated to a maximum of six (6) semester hours.

CCJ 4938r. Special Topics in Criminology (1–3). Contents of this course vary as instructors present different developments, problems, and controversies. May be repeated to a maximum of twelve (12) semester hours. May be repeated during the same semester.

CCJ 4940. Internship in Criminology (15). (S/U grade only.) 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 4166. Community Sanctions (3). This course is an introduction to sentencing patterns and problems, social investigation, release organization, and administrative 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. Allows students to implement the theories and methods of treatment in a correctional setting. Students work with the professor to implement and co-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 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.

Note: The following courses are offered only at the Panama City Campus, as part of the Certificate in Underwater Crime Scene Investigation:

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 introduces guidelines for the deduction of safe parameters from those principles. Students are provided 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. Students develop proficiency in the basic skills required to perform safe underwater investigations, including observations and conducting underwater environmental surveys.

CJE 4762. Forensic Science in Investigation (3). This course combines 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. Emphasis is placed on 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. An emphasis is placed upon the implementation of protocols and calculation of error rates.

CJE 4763. Scientific Underwater Investigation (3). Prerequisite: CJE 3761. This course builds upon the Introduction to Underwater Investigation by providing the technology to collect data in an underwater environment according to the scientific method. This 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 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 other scientific fields.

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: CJE4762 and CJE 4763. Corequisite: CJE 4764. This laboratory applies traditional underwater measurement methodology used 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.

CJE 4765. Underwater Crime Scene Investigation (3). Prerequisite: CJE4764. 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 and on conducting an investigative program.

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.

Undergraduate Computer Science Courses

CDA 3100. Computer Organization I (3). Corequisites: COP 3330 and MAD 2104. This is a core course 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 and COP 3330. 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 counter-measure design.

CIS 4930r. Special Topics in Computer Science (3). Prerequisite: at least six (6) semester hours in computer science or software engineering at or above the 4000 level. May be repeated to a maximum of twelve (12) semester hours.

CNT 4406. Introduction to Computer Networks (3). Prerequisite: COP 4503. 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 4504. Introduction to Computer Networks.(3). Prerequisite: COP 4530. Circuit switched and packet switched networks, protocols, protocol layering; application layer, socket programming; transport layer, multiplexing and demultiplexing, UDP, TCP, reliability, flow control, congestion control; network layer, routing protocols, switching technologies, multicast, 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 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. 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: COP3014. Corequisite: COP3353. 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. 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. Prerequisite or corequisite: CDA 3101 or instructor permission. 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. 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).
- CJJ 5020.** Juvenile Justice (3).
- CJE 5024.** Police and Society (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 5082.** Science, Evidence and the Law (3).
- CCJ 5285.** Survey of Criminal Justice Theory and Research (3).
- CCJ 5309.** Penology (3).
- CJL 5420.** Criminal Laws, Criminal Procedure and Individual Rights (3).
- CCJ 5456.** Criminal Justice Administration (3).
- CJL 5520.** Structure and Process of the American Court System (3).
- CCJ 5546.** Prevention and Treatment of Crime and Delinquency (3).
- CCJ 5605.** Theory in Criminology and Criminal Justice (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 6608r. 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).

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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

CRITICAL THEORY:
see *Graduate Bulletin*

CZECH:
see *Modern Languages and Linguistics*

Department of DANCE

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Co-Chairs: Patricia Phillips, Russell Sandifer; **Professors:** Davis, Farrell, Fichter, Morgan, Phillips, Sommer, Wagoner, Young, Zollar; **Associate Professors:** Austin, Corbin, Glenn, Houlihan, Humphreys, Perpener, Sandifer, Welsh

The Department of Dance offers work leading to the Bachelor of Fine Arts (BFA) degree in dance in an environment conducive to the highest caliber of dance training, practice, and scholarship. Our vision of dance in higher education encourages fluidity between the living art form and scholarly investigation, and dynamic interaction between the training of dancers and the development of scholars. This approach is intended to foster cultivation of the individual's creative, performance, and scholarly voices through exposure to diverse practical and philosophical approaches to dance studies and the development of critical thought processes.

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, 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 department'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**.

In addition to the dance major degree program, the department offers some liberal studies course work and elective course work for the general University student. The department 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 Department 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 departmental 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 department.

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 (128) 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common prerequisites or approved substitutions necessary for this degree program:

Dance—BFA Track

Any twenty-four (24) semester hours from the following thirty (30) semester hours will be accepted toward the major:

1. DAN X610 (3) or DAN X600 (3)
2. DAN X611 (3) or DAN X601 (3)
3. DAA X610 (2)
4. DAA X611 (2)
5. DAA X680 (2) and DAA X681 (2), or any lower level repertory courses in the 400–499 series up to four (4) semester hours
6. Eight (8) semester hours of any lower level ballet technique courses (with the DAA prefix) within the 200–209 taxonomy
7. Eight (8) semester hours of any lower level modern technique courses (with the DAA prefix) within the 100–109 taxonomy

Note: Although credit toward the major will be given for these, placement in upper level technique classes will continue to be based on individual student proficiency.

Minimum Requirements for the BFA in Dance

1. **Dance Technique.** Thirty (30) 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 (10) semester hours including DAA 2610, 3614, 3654r, DAN 2611
3. **Other Dance Courses.** Thirty-seven (37) semester hours, including Dance Ensemble (four [4] semester hours of DAA 1680r, 2681r, 3684r, or 4685r); DAE 3384; DAN 2100, 2500, 2610, 3144, 3145, 3146, 3400, 3504, 3584r, 3714, 3744, 4418 and 4935
4. **Liberal Studies.** Thirty-six (36) semester hours. Three (3) 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:** Fifteen to eighteen (15–18) semester hours. Students exercising the option under requirement four above will complete eighteen (18) elective semester hours.

Total: One hundred twenty-eight (128) semester hours.

The applicability of previous course work to dance curricular requirements is assessed and determined by the Department 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 departmental 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 Department 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). Admission to honors in dance program required. Written thesis for creative or academic research done as part of the honors in dance program. May be repeated to a maximum of nine (9) 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 (12) 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 (2). Each course may be repeated to a maximum of six (6) semester hours.

DAA 1201r. Beginning Ballet II—Nonmajors (2). Faculty placement or instructor permission required. Each course may be repeated to a maximum of six (6) semester hours.

DAA 1202r. Beginning Ballet III—Nonmajors (2). Faculty placement or instructor permission required. Each course may be repeated to a maximum of six (6) semester hours.

DAA 2203r. Intermediate Ballet—Nonmajors (2). Faculty placement or instructor permission required. May be repeated to a maximum of twelve (12) semester hours.

DAA 3208r. Ballet I (1–3). Majors only. Faculty placement or instructor permission required. May be repeated to a maximum of twelve (12) semester hours.

DAA 3209r. Ballet II (1–3). Majors only. Faculty placement or instructor permission required. May be repeated to a maximum of twenty-four (24) semester hours.

DAA 4210r. Ballet III (1–3). Majors only. Faculty placement or instructor permission required. May be repeated to a maximum of twenty-four (24) semester hours.

Contemporary Dance

DAA 1100r. Beginning Contemporary Dance I—Nonmajors (2). Each course may be repeated to a maximum of six (6) semester hours.

DAA 1101r. Beginning Contemporary Dance II—Nonmajors (2). Faculty placement or instructor permission required. Each course may be repeated to a maximum of six (6) semester hours.

DAA 1102r. Beginning Contemporary Dance III—Nonmajors (2). Faculty placement or instructor permission required. Each course may be repeated to a maximum of six (6) semester hours.

DAA 2103r. Intermediate Contemporary Dance—Nonmajors (2). Faculty placement or instructor permission required. May be repeated to a maximum of twelve (12) semester hours.

DAA 3108r. Contemporary Dance I (1–3). Majors only. Faculty placement or instructor permission required. May be repeated to a maximum of twelve (12) semester hours.

DAA 3109r. Contemporary Dance II (1–3). Majors only. Faculty placement or instructor permission required. May be repeated to a maximum of twenty-four (24) semester hours.

DAA 4110r. Contemporary Dance III (1–3). Majors only. Faculty placement or instructor permission required. May be repeated to a maximum of twenty-four (24) semester hours.

Jazz

DAA 1500r. Jazz Dance I—Nonmajors (2). Prerequisite: Instructor permission. This practical studio course introduces Jazz Dance as an art form while developing the basic skills and vocabulary of Jazz Dance. It is intended for non-dance majors only. May be repeated to a maximum of twelve (12) semester hours.

DAA 1501r. Jazz Dance II—Nonmajors (2). Prerequisite: Instructor permission. This practical studio course explores Jazz Dance as an art form while developing the more advanced skills and vocabulary of Jazz Dance. For non-dance majors only. May be repeated to a maximum of twelve (12) semester hours.

Aspects of Dance Performance

DAA 1680r. Dance Ensemble (1). (S/U grade only.) Experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three (3) semester hours.

DAA 2681r. Special Dance Performance (1). (S/U grade only.) Experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three (3) semester hours.

DAA 3684r. Dance Ensemble (1). (S/U grade only.) Experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three (3) semester hours.

DAA 3695r. Dance Performance (1–2). Majors only. Preparation and public performance of selected roles in dance repertory. Official casting and faculty approval required. May be repeated to a maximum of sixteen (16) semester hours.

DAA 4685r. Dance Ensemble (1). (S/U grade only.) Experience in dance ensemble and performance work. Official casting and faculty approval required. May be repeated to a maximum of three (3) semester hours.

Dance Composition and Repertory

DAA 2610–2611. Dance Composition [two (2) hours each]. Majors only. Prerequisite: DAN 2610. Exploration of 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. 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). The study and practice of selected works of dance repertory. May be repeated to a maximum of sixteen (16) semester hours. Instructor permission required.

DAA 4615. Dance Composition (3). Prerequisite: DAA 3614. Extended choreographic process: production of extended choreographic works. Instructor permission required.

Rhythmic and Musical Theory

DAN 2610. Rhythmic Analysis (3). Analysis of rhythmic structures and their relationship to dance form and composition.

DAN 2611. Music and Choreography (3). Prerequisite: DAN 2610. 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. Beginning through intermediate skills are introduced and developed. Theoretical materials in labanotation are examined with emphasis on writing and developing reading skills.

DAN 3714. Movement Theory and Body Alignment (3). The study of movement theories and body alignment for the technical aspects of dance performance.

DAN 3744r. Dance Conditioning (2). Studio laboratory for concepts in movement theory and body alignment. May be repeated to a maximum of four (4) semester hours.

Dance Production

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 (2) semester hours.

DAN 3504. Dance Production (2). Study of technical aspects of production. Instructor permission required.

DAN 3584r. Dance Theatre Laboratory (1). Assigned problems in connection with current dance theatre production. May be repeated to a maximum of four (4) 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 (6) 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). 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 will be explored through readings, discussion, media presentation, live performances, and movement laboratories. No prior dance experience is required.

DAN 3144, 3145, 3146. History and Philosophy of Dance [three (3) hours each]. 3144—Origins and development of dance; ritual and social components of dance; dance in early cultures. 3145—Evolution of dance as a theatrical art form; ballet history. 3146—Dance in contemporary times.

DAN 3185. African-American Dance in American Culture (3). Using African-American dance as a central focus, this course examines how cultural and artistic expressions can both integrate and divide different groups of people along lines of race and class.

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.

DAN 4183. History of African-American Social Dance of the Twentieth Century (3). The class traces the major African-American social styles of the twentieth century. These dance styles are examined in a context that facilitates understanding their relationship to the culture(s) and events that produced and influenced them.

Pedagogy

DAE 3384. Methods and Materials in Dance Education (3). The study of the principles of learning and how they inform the processes of designing lessons and teaching dance. Includes a 5-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 (12) semester hours.

DAN 4910r. Dance Internship (1–6). (S/U grade only). 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 (12) 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).

DAA 5950r. New York City: Arts and Resources as the Art Event (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 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).

For listings relating to master's examinations and defense, consult the *Graduate Bulletin*.

DIETETICS:
see Nutrition, Food and Exercise Sciences

EARLY CHILDHOOD EDUCATION:
see Childhood Education, Reading, and Disability Services

ECOLOGY:
see Biological Science

DEMOGRAPHY:
see *Graduate Bulletin*

DEVELOPING AREAS, PLANNING FOR:
see Urban and Regional Planning

**DeVoe L. Moore and Family Center for
The Study Of Critical Issues In
ECONOMIC POLICY AND GOVERNMENT**

COLLEGE OF SOCIAL SCIENCES

Director: Keith R. Ihlanfeldt; **Professors:** Barrilleaux, Benson, Cheung, 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, 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

Chair: Bruce L. Benson; **Professors:** Benson, Cobbe, Cooper, Fournier, Gwartney, R. Holcombe, Ihlanfeldt, Isaac, Macpherson, Marquis, Mason, Norrbin, Rasmussen, Sass, Schlagenhaut, Schmetmann; **Associate Professors:** Beaumont, McCaleb, Salmon, Zuehlke; **Assistant Professors:** Atolia, Bokhari, Cheung, Heiland, Hock, Ku, Pevnitskaya, Ryvkin, Semykina; **Courtesy Professors:** Du Mond, Elzie, Evans, Großer, Klick, Lehr, Sheffield, Showman, Snyder, Stratis; **Professors Emeriti:** Canterbury, Downing, Laird, Macesich, Rockwood, Sorensen; **Lecturers:** Calhoun, Carter, L. Holcombe

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. There are 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.economics.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 economics satisfy this requirement by earning a grade of “C–” or higher in CGS 2100 or ECO 4431. Applied economics majors satisfy computer competency by earning a grade of “C–” or higher in ECO 4431.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

Economics—Social Sciences

ECO X013 (Principles of Macroeconomics) and ECO X023 (Principles of Microeconomics) or six (6) semester hours in economic courses (ECO prefix)

Note: Florida State University does not offer an economics–business major.

Requirements

Admission

Admission to the undergraduate program is based upon the availability of faculty and space and upon academic performance. Students with fifty-two (52) or more **acceptable** semester hours, both ECO 2013 and 2023 completed with a grade of “C” (2.0) or better, a GPA of 2.5 or better, 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://academic-guide.fsu.edu> for more information.

Students are expected to complete the principles sequence (ECO 2013, 2023) before declaring economics or applied economics as a major. The courses may be taken in either order. The department allows students to take the courses in the same semester, but neither recommends nor encourages it.

Majors

Majors in economics or applied economics must take at least six (6) 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 in economic theory 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.

An overall grade of “C” (2.0) average in economics and supporting courses is required of majors. Majors will not receive credit toward the major requirements for economics courses in which a grade of less than “C–” has been received. A minimum of fifteen (15) semester hours in economics, including all core courses, must be taken at Florida State University.

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 the approval of the undergraduate director. Students in the applied major may complete a minor in business with only an additional six (6) semester hours of College of Business courses.

Undergraduate students who intend to major in economics should take ECO 2013, 2023, and the supporting courses before completing liberal studies. Students not completing these requirements in lower division who wish to major in economics must complete all the requirements no later than the end of the junior year.

Major in Economics

Beyond ECO 2013 and ECO 2023, the economics major requires ECO 4101, 4203, 4421, and an additional fifteen (15) semester hours of upper-division economics electives, including six (6) semester hours in one economics specialty area. Majors will also complete the supporting courses: STA 2023, 2122 or 4321 (choose one); and MAC 1105, pre-calculus or calculus (choose one). Calculus is recommended especially for students contemplating graduate study.

Major in Applied Economics

In addition to ECO 2013 and ECO 2023, the major in applied economics requires ECO 3104, 3223, and 4431; twelve (12) additional semester hours of upper division economics courses; and the supporting courses ACG 2021; ACG 2071 or FIN 3403; MAC 1105, pre-calculus or calculus (choose one); and STA 2023, 2122, 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 simultaneous registration in ECO 4944r and ECO 4922r; arrangements and approval must be obtained before the semester in which they are to be taken.

Degrees/Certificates

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.

An economics department certification of subject area concentration will be given upon request to economics majors.

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 (15) semester hours in departmental courses, including ECO 2013 and 2023, 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 received.

Economics minors must have at least a “C” (2.0) grade point average in their economics course work. ECO 2000 will not count toward the minor. No more than six (6) 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). 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 or the economics minor.

ECO 2013. Principles of Macroeconomics (3). Aggregate economics and national income determination, money and monetary theory, present macroeconomic conditions, and aggregate policy alternatives; theory of international trade and the balance of payments; economic growth and development.

ECO 2023. Principles of Microeconomics (3). The 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. Economic analysis applied 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, or STA 2122, or STA 4321. 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 3223. Financial Markets, the Banking System, and Monetary Policy (3). Prerequisites: ECO 2013 and ECO 2023. 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. 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. 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 code is used for special topics of current interest or to benefit from the specialties of visiting faculty. May be repeated to a maximum of six (6) semester hours. May be repeated within the same semester.

ECO 4101. Intermediate Microeconomic Theory (3). Prerequisites: ECO 2013 and ECO 2023. Supply, demand, cost of production, theory of the firm, factor price determination, and other microeconomic resource allocation questions.

ECO 4203. Intermediate Macroeconomic Theory (3). Prerequisites: ECO 2013 and ECO 2023. The basic model of income determination is built 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. The role of monetary policy in various macroeconomic theories is emphasized. Focus on controversy over the effects monetary policy has on employment, inflation, and interest rates.

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. A non-technical introduction to strategic decision-making. Focuses 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. 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, or 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. Introduction to Economic Forecasting (3). Prerequisites: ECO 2013, ECO 2023, and STA 2023, or STA 2122, or STA 4321. Provides a hands-on survey of forecasting methods used in business and economics. Students work extensively with computer-based statistical software to solve actual cases encountered in the business world.

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. 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. Economic models are used 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. State and local revenues, expenditures, and borrowing; intergovernmental relationships.

ECO 4704. International Trade (3). Prerequisites: ECO 2013 and ECO 2023; ECO 4101 recommended. 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. 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 (6) semester hours.

ECO 4922r. Professional Development in Economics (1–3). Prerequisite: permission of instructor. Corequisite: ECO 4944r. Covers issues that economics students encounter in the workplace: ethics, presentation skills, data gathering and analysis. These topics, as well as problems encountered in students' field study course work, are discussed.

ECO 4933r. Senior Tutorial in Economics (1–3). (S/U grade only.) Prerequisite: Senior economics major or minor; or instructor's permission. This course will cover selected topics in economics. Maximum enrollment of five (5) students in each tutorial. Repeatable one time to a maximum of six (6) semester hours.

ECO 4934r. Honors Work (1–6). May be repeated to a maximum of nine (9) semester hours.

ECO 4944r. Field Study in Economics (1–4). Prerequisite: Instructor permission. Corequisite: ECO 4922. Students receive credit toward the economics major for applied and practical experience working in a variety of organizations such as state agencies, banks, and finance departments. May be repeated to a maximum of four (4) semester hours.

ECP 3113. Economics of Population (3). Prerequisites: ECO 2013, 2023. 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, 2023. 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's approval. 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 class. 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. 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. The 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 3530. Economics of Health (3). Prerequisites: ECO 2013, 2023. The 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 4006. Economics of Sports (3). Prerequisites: ECO 2013, 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 4118. Introduction to Economic Demography (3). Prerequisites: ECO 2013, 2023. This course focuses on the acquisition of demographic and related socioeconomic data and provides an introduction to the analytical tools and skills necessary to understand and interpret the data.

ECP 4160. Economics of Aging (3). Prerequisites: ECO 2013, 2023. This course considers the factors that cause populations to become older and systematically analyzes the economic consequences of this aging. Topics considered include Social Security and health care financing.

ECP 4413. Government Regulation of Business (3). Prerequisite: ECO 2023. 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 4505. Economics of Crime (3). Prerequisites: ECO 2013, 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 4613. Urban Economics (3). Prerequisite: ECO 2023. 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.

ECS 3003. Comparative Economic Systems (3). Prerequisites: ECO 2013, 2023. 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 3600. Economics of Native Americans (3). Prerequisites: ECO 2013, 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, 2023. 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, 2023. 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 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 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 5416. Econometrics I (3).
ECO 5417. SAS Programming (3).
ECO 5420. Basic Applied Econometrics (3).
ECO 5423. Econometrics II (3).
ECO 5427. Limited Dependent Variable Models (3).
ECO 5428. Time Series Analysis (3).
ECO 5434. Economic Forecasting (3).
ECO 5505. Public Economics (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 5935r. Seminar in Political Economy (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 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 5116. Applied Economic Demography (3).

ECP 5117. Mathematical Demography (3).

ECP 5205. Labor Markets (3).

ECP 5405. Industrial Organization (3).

ECP 5415. Social Control of Business (3).

ECP 5536. Seminar in Health Economics (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 course work 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

Chair: Gary M. Crow; **Professors:** Beckham, Crow, Irvin, Kunkel, Lick, Milton, Wetherell; **Associate Professors:** Bower, Dalton, Easton, Hu, Lang, Milligan, Schrader, Schwartz, Wicker; **Assistant Professors:** Austin, Brooks, Cohen-Vogel, Iatarola, Luschei, Rutledge; **Faculty Emeriti:** Bender, Bolden, Funk, Gant, Grant, Hale, Jahns, Kannwischer, Kropp, Luebke, Mann, Papagiannis, Rasmussen, Schroeder, Shargel, Snyder, Stakenas, Waggaman, Wallat

The Department of Educational Leadership and Policy Studies provides preparation for a wide variety of professional careers in educational administration, foundations of education, educational policy, higher education, and program evaluation. The Master's, Specialist in Education, and Doctoral degrees are offered. Although the department does not offer any undergraduate degree programs, several courses are offered at this level for persons engaged in programs of professional education. The department offers a non-degree seeking modified program for professionals who wish to be eligible for Educational Leadership level 1 certification in the State of Florida. For information on graduate programs, consult the *Graduate Bulletin*.

In addition, the department offers six certificates at the graduate level, in college teaching, educational policy, program evaluation, human resource development, institutional research, and modified program for educational leadership, available to special students as well as degree seeking students.

The following majors and certificates are offered by the Department of Educational Leadership and Policy Studies at the graduate level only:

- Educational Leadership/Administration
- Educational Policy and Evaluation
- Higher Education
- Social, Historical and Philosophical Foundations of Education
- Human Resource Development/Adult Education
- Institutional Research
- Sociocultural/International Development Education Studies
- Graduate Certificate in College Teaching
- Graduate Certificate in Educational Policy
- Graduate Certificate in Human Resource Development
- Graduate Certificate in Institutional Research
- Graduate Certificate in Program Evaluation

State Certification Courses

The following social foundations of education courses offered in the educational foundations and policy studies department will meet the Florida Department of Education professional certification requirements: EDA 4060; EDF 4604, 5160, 5517, 5543, 5548, 5551, 5612, 5630, 5710r.

Definition of Prefixes

- ADE**—Adult Education
- CGS**—Computer General Studies
- EDA**—Education: Administration
- EDF**—Education: Foundations and Policy Studies
- EDG**—Education: General
- EDH**—Education: Higher
- EME**—Education: Technology and Media
- EVT**—Education: Vocational/Technical
- 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).** Introduces varying topics related to the nature and methods of adult and community education. May be repeated for a maximum of twelve (12) semester hours.
- EDA 3949r. Cooperative Education Work Experience (0).** (S/U grade only.)
- EDA 4060. Organization and Control of Education (3).** 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). 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. Meets University multicultural requirements.

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). The study of 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 (12) semester hours.

EDH 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

EVT 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

Graduate Courses

- ADE 5070.** Comparative and International Adult Education (3).
- ADE 5075.** University Continuing Education (3).
- ADE 5193.** Education and Training in Gerontology (3).
- ADE 5280.** Problems in the Organization and Administration of Adult Education Agencies (3).
- ADE 5385.** Adult Learning (3).
- ADE 5675.** Issues in Adult and Continuing Education (3).
- ADE 5773.** Strategies for Participatory Research Planning and Evaluation (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 5944r.** Supervised Teaching (1–4). (S/U grade only.)
- ADE 6772r.** Research Seminar in Adult Education (1). (S/U grade only.)
- ADE 6920r.** Adult Education Colloquium (1). (S/U grade only.)
- ADE 6931.** Research Seminar in Adult Education (2). (S/U grade only.)
- CGS 5310.** Information Management Technology in Education (3).
- EDA 5051.** Introduction to Leadership Development (3).
- EDA 5109.** Educational Management Development (3).
- EDA 5192.** Educational Leadership (3).
- EDA 5218.** Application of Leadership Theory (3).
- EDA 5222.** Personnel Administration in Education (3).
- EDA 5227.** The Role of the Woman Administrator in Education (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.** Decision-Oriented Educational Research (3).
- EDA 5503.** The Principalship (3).
- EDA 5504.** Instructional Leadership (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 6101.** Organizational Theory (3).
- EDA 6193.** Leading Learning (3).
- EDA 6207.** Leadership for School Renewal (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.** Education and Culture (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 5850. International Development Education (3).
 EDF 5853. Comparative Education Policy in Developing Countries (3).
 EDF 5890. Sociology of Nontraditional Approaches and Innovation in Education and Development (3).
 EDF 5895r. Comparative Studies in Education (2–5).
 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 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.)
 EDG 5250. Basic Concepts in Curriculum Planning and Organization (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 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 5305. College Teaching: Instruction in Higher Education (3).
 EDH 5405. Legal Aspects of Higher Education (3).
 EDH 5406. Ethics and Inquiry (1).
 EDH 5504. College and University Institutional Advancement (3).
 EDH 5630. Program Financial Management in Higher Education (3).
 EDH 5631. Academic Leadership and Middle Management in Higher Education (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 6046. Diversity in Higher Education (2).
 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).
 EVT 5265. Supervision and Development of Vocational Education Staff (3).
 EVT 5760. Designing Research in Educational Leadership (3).
 EVT 5905r. Directed Individual Study (1–3). (S/U grade only.)
 EVT 5915r. Supervised Research (1–4). (S/U grade only.)

EVT 5942r. Supervised Teaching (1–4). (S/U grade only.)
 EVT 5947r. Internship (1–8). (S/U grade only.)
 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

Chair: Akihito Kamata; **Professors:** Becker, Driscoll, Eklund, Keller, Pfeiffer, Prevatt, Reardon, Reiser, Sampson, Seel, Spector, Tenenbaum, Wager; **Associate Professors:** Baylor, Darabi, Kamata, Kelly, Losh, Proctor; Shute; **Assistant Professors:** Chen, Dennen, Eccles, Jeong, Lampropoulos, Li, Olina, Railey, Roehrig, Turner, Yang. **Professors Emeriti:** Beard, Branson, Brewer, Burck, Burkman, Dick, Fletcher, Foster, Hills, Johnson, Kaufman, King, Lathrop, Mancha, Morgan, Quinly, Pargman, Tate

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 part of the teacher education curriculum. For more information, refer to the *Graduate Bulletin*.

The following majors and certificates are offered by the Department of Educational Psychology and Learning Systems:

- Career Counseling
- Combined Program in Counseling Psychology and School Psychology*
- Counseling and Human Systems*
- Educational Psychology
- Instructional Systems*
- Learning and Cognition*
- Measurement and Statistics*
- Mental Health Counseling
- Open and Distance Learning*
- Program Evaluation*
- School Psychology*
- Sports Psychology*
- Graduate Certificate in Human Performance Technology
- Graduate Certificate in Measurement and Statistics
- Graduate Certificate in Online Instructional Development

* graduate only

Definition of Prefixes

- ADE—Adult Education
- DEP—Developmental Psychology
- EDF—Education: Foundations and Policy Studies
- EDG—Education: General
- EDP—Educational Psychology
- EME—Education: Technology and Media
- MHS—Mental Health Services
- PCO—Psychology for Counseling
- PET—Physical Education Theory
- PSB—Psychobiology
- SDS—Student Development Services
- SLS—Student Life Skills (Learning)
- SPS—School Psychology
- SYP—Social Processes

Undergraduate Courses

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). 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 (12) semester hours.

EDG 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

EME 2040. Introduction to Educational Technology (3). An introduction to the use of educational technology in teaching and learning. Students will 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). 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 (12) semester hours.

PET 4214. Sport Psychology (3). This course explores selected psychological theories and applications relevant to sport and exercise behavior.

SDS 3340r. Introduction to Career Development (1–3). 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 (3) semester hours.

SDS 4481. Communication and Human Relations (3). Relevant dimensions of the helping relationship and the development of effective communications skills.

SLS 1122. Strategies for Academic Success (3). 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.

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).

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 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 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. Instructional Materials Development (4).

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).

EME 5054. Educational Technology: Theory and Practice in Instruction (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 6403. Designing for Online Collaborative Learning (3).
EME 6415. Development of Computer Courseware (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 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 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 5860r. Supervised Teaching (1–4). (S/U grade only.)
MHS 5905r. Directed Individual Study (1–3).
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. Individual Counseling Theories (3).
MHS 6410. Behavior Management: Principles and Applications (3).
MHS 6600. Consultation and Organizational Development (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 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.)
PCO 5095. Computer Applications in Counseling Psychology and Other Human Services (3).
PCO 6855. Historical, Ethical, and Legal Aspects of Counseling Psychology (3).
PCO 6930. Integrative Seminar (3).
PET 5054C. Motor Skill Learning (3).
PET 5215. Cognitive Processes in Sport Psychology (3).
PET 5216. Sports Psychology (3).
PET 5219. Applied Sport and Exercise 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).
SDS 5820r. Internship (6–12). (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 (2). (S/U grade only.)
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 course work 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

Chair: Victor DeBrunner; **Professors:** R. Arora, V. DeBrunner, Foo, Perry, Roberts, Zheng; **Associate Professors:** K. Arora, Baldwin, L. DeBrunner, Harvey, Kwan, A. Meyer-Baese, U. Meyer-Baese, Tung; **Assistant Professors:** Andrei, Edrington, Li, Weatherspoon, Yu; **Eminent Scholar:** Thagard; **Assistants in Electrical Engineering:** Skinner; **Associate in Electrical Engineering:** Brooks

Bachelor of Science in Electrical Engineering— Program Educational Objectives

The Bachelor of Science in Electrical Engineering (BSEE) degree program prepares its graduates for a successful career in the rapidly evolving and intellectually challenging field of electrical engineering. The department requires its graduates to develop a strong understanding of the relevant mathematics, computer programming, and natural science concepts needed by practicing electrical engineers.

Graduates must demonstrate an ability to apply this knowledge in several fundamental areas of electrical engineering, including analog circuit design, digital logic design, electromagnetics, signal and linear system analysis, communications, and microprocessor based design. They also must demonstrate successfully sufficient knowledge and the technical skills needed to complete a major design experience and to function as a member of a multi-disciplinary team.

With the addition of electrical engineering technical electives, graduates have an opportunity to prepare for advanced graduate-level training or a professional career in a variety of electrical engineering application areas including digital systems, communication systems, digital signal processing, control systems, microelectronics, power systems, or electromagnetics.

In addition, in the several years after graduation, graduates are expected to accomplish the following:

1. Participate in either the research, development or application of engineering solutions that have a positive impact on society
2. Make contributions to workforce diversity
3. Show a commitment to life-long learning and continuous self-improvement
4. Become proficient in the oral and written communication of their work and ideas

Bachelor of Science in Computer Engineering— Program Educational Objectives

The Bachelor of Science in Computer Engineering (BSCpE) degree program prepares its graduates for a successful career in the interdisciplinary field of computer engineering. The program is built firmly on the foundation of the department's well established BS in electrical engineering (BSEE) degree program. Consequently, graduates from the BSCpE degree program complete all of the required core coursework of BSEE majors, additional core computer engineering coursework, and a set of specialized courses offered through the Department of Computer Science at Florida State University. BSCpE graduates have an opportunity to prepare for advanced graduate-level training or a professional career in or built upon a variety of computer engineering application areas including digital systems, digital signal processing, computer networks, and VLSI design.

Graduates from the BSCpE degree program must develop a strong understanding of relevant mathematics, programming, and physical science concepts needed by practicing computer engineers. They also must demonstrate an ability to apply this knowledge in several fundamental areas of electrical engineering (e.g., analog circuit design, electromagnetics, signal and linear system analysis, communications); computer engineering (e.g., digital logic design, microprocessor-based system design, and computer architecture); and computer science (e.g., object-oriented programming, data structures, computer algorithms, and operating systems.) Graduates also must demonstrate successfully sufficient knowledge and the technical skills needed to complete a major design experience and to function as a member of a multi-disciplinary team.

In addition, in the several years after graduation, graduates are expected to accomplish the following:

1. Participate in either the research, development, or application of engineering solutions that have a positive impact on society
2. Make contributions to workforce diversity

3. Show a commitment to life-long learning and continuous self-improvement
4. Become proficient in the oral and written communication 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 (primarily 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
4. **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
5. **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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. ENC X101
2. ENC X102
3. MAC X311*
4. MAC X312*
5. MAC X313*
6. MAP X302
7. CHM X045/X045L or CHM X045C*
8. PHY X048/X048L or PHY X048C
9. PHY X049/X049L or PHY X049C
10. Six (6) semester hours in humanities
11. Six (6) semester hours in social science
12. Three (3) additional semester hours in humanities or social science

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Common Required Courses for Bachelor of Science Degrees and Dual Majors

All candidates for Bachelor of Science degree in Electrical Engineering (BSEE), Bachelor of Science degree in Computer Engineering (BSCpE), and Bachelor of Science degree in dual majors (BSEE and BSCpE) are required to complete a total of one hundred three (103) semester hours of common required courses, of which twenty-four (24) hours are English, social science, and humanities courses; forty-two (42) hours are engineering core courses (listed below); and thirty-seven (37) hours are required electrical and computer engineering courses (listed below).

Engineering Core Courses

COP	3014	Programming I (3)
CHM	1045C	General Chemistry I (4)
EGM	3512	Engineering Mechanics (4)
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)
MAP	3306	Engineering Mathematics II (3)
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	3472	Electromagnetic Fields I (3)
EEL	3512	Introduction to Communications (3)
EEL	3705	Digital Logic Design (3)
EEL	3705L	Digital Logic Laboratory (1)
EEL	4021	Statistical Topics in Electrical Engineering (3)
EEL	4746	Microprocessor-Based System Design (3)
EEL	4746L	Microprocessor-Based System Design Laboratory (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)

Note: Required curriculum for Bachelor of Science (BS) degrees and dual majors is currently under revision. Please refer to <http://www.eng.fsu.edu/ece> for the most current version of these requirements.

Requirements for a Major in Electrical Engineering

Students majoring in electrical engineering require one hundred twenty-eight (128) semester credit hours to graduate, of which one hundred three (103) hours are common required courses listed above, twelve (12) semester hours are required Tier-2 electrical engineering courses, and thirteen (13) semester hours are technical elective courses.

All electrical engineering majors are required to complete four (4) of the following six (6) Tier-2 courses:

EEE	4351	Solid-State Electronic Devices (3)
EEL	3216	Fundamentals of Power Systems (3)
EEL	3473	Electromagnetic Fields II (3)
EEL	4515	Digital Communication Systems (3)
EEL	4652	Analysis and Design of Control Systems (3)
EEL	4710	Introduction to Field Programmable Logic Devices (3)

Technical Electives for Electrical Engineering Major

- One (1) semester hour must be an electrical engineering (EE) laboratory elective
- Nine (9) semester hours must be EE technical electives
- Three (3) hours may be an EE 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 (128) semester credit hours to graduate, of which one hundred three (103) hours are common required courses listed above. The other twenty-five (25) semester credit hours include thirteen (13) semester hours of computer science courses (listed below); six (6) semester hours of required computer engineering courses: EEL 4710 Introduction to Field Programmable Logic Devices (3), and EEL 4713 Computer Architecture (3); and six (6) semester hours of technical electives.

Required Computer Science Courses (13 semester hours)

COP	3330	Object Oriented Programming (3)
COP	3344	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 [103] semester hours), required CS courses (thirteen [13] semester hours), and required computer engineering courses: EEL 4710 and EEL 4713 (each three [3] semester hours) plus nineteen (19) 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 (1) semester hour must be an electrical engineering (EE) laboratory elective
- Nine (9) semester hours must be three (3) required Tier-2 electrical engineering courses
- Six (6) semester hours must be two (2) electrical engineering technical elective courses
- Three (3) 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 3512. 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 4710. Introduction to Electrical Engineering (3). Prerequisites: MAC 2312 and PHY 2049C. 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. Laboratory in support of 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. 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. 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. 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). Prerequisites: EEL 3112 and MAP 3305. 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. 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 3306, and PHY 2049C. The 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. 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 and MAP 3306. 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: CGS 3408. 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. Laboratory in support of EEL 3705.

EEL 3949r. Cooperative Work Experience (0). (S/U grade only.)

EEL 4021. Statistical Topics in Electrical Engineering (3). Prerequisites: EEL 3112 and MAP 3306. Corequisite: EEL 3512. 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. Multiple random variables. Introduction to random processes. Elements of statistics: parameter estimation and hypothesis testing.

EEL 4113. Advanced Linear Networks (3). Prerequisite: EEL 3135. 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. 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 4220. Electromechanical Dynamics (3). Prerequisites: EEL 3216 and EEL 3472. 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. The purpose of this course is 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 4415. Sonar (3). Prerequisites: EEL 3473 and EEL 3512. 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. 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. 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 4450. Optical Sensors (3). Prerequisites: EEL 3473 and EEL 3512. 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. 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. 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). Prerequisites: EEL 3512 and EEL 4021. 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 3512. 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 3512. 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, EEL 3512, 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 3512 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 4635. Digital Control Systems (3). Prerequisite: EEL 4652. Discrete time systems; Z-transform; sampling and reconstruction; system time-response characteristics; stability analysis; digital controller design.

EEL 4652. Analysis and Design of Control Systems (3). Prerequisite: EEL 3135. 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: CGS 3408 and EEL 4746. 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 4746. Microprocessor-Based System Design (3). Prerequisites: EEL 3705 and EEL 3705L. 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. Laboratory software development, hardware projects, and experiments in support of EEL 4746.

EEL 4748. Embedded Microcomputer Design Project (3). Prerequisites: EEL 4746 and EEL 4746L. Individual projects selected with consent of instructor. Selected lectures and an open-door Motorola 68000 laboratory.

EEL 4810. Introduction to Neural Networks (3). Prerequisites: EEL 3300 and EEL 3135. 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 (6) semester hours. Requires department approval.

EEL 4906r. Honors Work in Electrical Engineering (1-6). Prerequisite: Admission to the honors program. Independent or directed research in a specialized area beyond the current curriculum in electrical engineering. May be repeated to a maximum of nine (9) semester hours.

EEL 4911C. Senior Design Project I (3). Prerequisite: Department permission. Senior students are exposed 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. Senior students 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. Senior students 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. 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 (12) semester hours.

Graduate Courses

- 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 5416. Sonar (3).
EEL 5426. RF/Microwave Circuits I (3).
EEL 5427. RF/Microwave Circuits II (3).
EEL 5443. Electromagnetics and Optics (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 5617. Multivariable Control (3).
EEL 5630. Digital Control Systems (3).
EEL 5667. Robot Kinematics and Dynamics (3).
EEL 5707. ASIC Systems Design I (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 6457r. Advanced Topics in Optoelectronic Systems (3).
EEL 6502. Digital Signal Processing I (3).
EEL 6558r. Advanced Topics in Digital Signal Processing (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

Chair: R. M. Berry; **Eppes Professor:** Butler; **Fred L. Standley Professor:** Fenstermaker; **William Hudson Rogers Professor:** McElrath; **Sarah Herndon Professor:** Gontarski; **Bertram H. Davis Professor:** Boehrer; **Janet Burroway Professor:** Winegardner; **Lawton Professor:** Kirby; **George Matthew Edgar Professor:** Taylor; **Kellogg Hunt Professor:** Yancey; **Professors:** Berry, Burke, Crook, Daileader, Johnson, O'Rourke, Roberts, Rowe, Suarez, Treharne; **Associate Professors:** Belieu, Coldiron, Epstein, Faulk, Fleckenstein, Gants, Gardner, Goodman, Laughlin, McGregory, Montgomery, Moore, Parrish, Picot, Rai, Saladin, Spiller, E. Stuckey-French, Vitkus, Walker, Ward, Warren; **Assistant Professors:** Baggott, Edwards, Ikard, Kennedy, Kimbrell, Neal, Outka, Patterson, Shinn, Silva, N. Stuckey-French, Vann; **Professors Emeriti:** Bickley, Burroway, Davis, Fowler, 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 or writing; students may also pursue other specialized programs such as honors in the major, an English major with an emphasis in business, teaching certification, or other independent courses of study. In addition to its primary benefits to intellectual growth, the English major also offers practical preparation for professional careers in teaching, professional writing, law, medicine, 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 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 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. Other options such as the English/business program or teaching certification allow students to supplement the major with rigorous and substantial minor courses of study.

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. In addition, the department has developed a series that brings editors and agents to the campus for presentations and individual consultations with Florida State University students. The department maintains a growing videotape collection to supplement classroom instruction, and two computer classrooms house computer-assisted writing instruction. 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, or EME 2040.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

ENC X101 and ENC X102; or six (6) semester hours of courses taught in the Department of English each with 6,000 words of evaluated writing for a total of 12,000 words

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 (52) 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 Gordon rule (State Board of Education Rule 6A-10.030)

Requirements for a Major in English

General Requirements: Thirty-three (33) semester hours of English in courses numbered above 1999. At least twenty-one (21) semester hours must be in courses at the 3000 and 4000 levels, including at least nine (9) semester hours at the 4000 level. Honors thesis hours may be applied toward the Bachelor of Arts (BA) degree, but only three (3) semester hours will be accepted for major credit. Majors who complete teacher certification requirements may count three (3) semester hours of internship elective credit at the 3000 level. 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 (3) semester hours in ENG 3014 Critical Issues in Literary Studies (must be taken before student reaches ninety [90] semester hours)
 - b. **Literature Courses:** At least eighteen (18) semester hours of literature courses beyond the 2000 level. Specifically required are:
 - i. Three (3) semester hours in United States literature at the 3000 or 4000 level
 - ii. Six (6) semester hours in British literature before 1800, including at least three (3) semester hours before 1660, at the 3000 or 4000 level
 - iii. Three (3) semester hours in British literature after 1800 at the 3000 or 4000 level
 - iv. Three (3) semester hours in ENG 4934 Senior Seminar in English (must be taken after student reaches ninety [90] semester hours)
 - v. Three (3) semester hours in other literature courses at the 3000 or 4000 level
 - c. **Electives:** Twelve (12) semester hours in other English courses
2. **Concentration in Writing**
 - a. **Writing Courses:** Fifteen (15) semester hours in at least two of the following categories, of which at least six (6) semester hours shall be in 4000-level workshop courses. Workshop courses with the "r" designation are repeatable with the instructor's permission.

Note: Only three (3) semester hours of ENC 3310 Article and Essay Workshop may count toward the nine (9) semester hours in workshop courses.

 - 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 (15) semester hours of literature, of which at least three (3) semester hours shall be in English literature before 1900
- c. **Electives:** Three (3) semester hours in other English courses

3. 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 student's adviser, should include a total of at least twenty-four (24) semester hours at the 3000 and 4000 levels (nine [9] of these twenty-four [24] semester hours must be at the 4000 level in English and nine [9] may be in relevant courses outside the department). The proposal must be submitted to the faculty undergraduate committee for approval before midterm in the last semester of the student's junior year. 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 (30) 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 (18) semester hours that constitute a minor in business for arts and sciences majors.

Requirements for a Minor in English

Minor: At least twelve (12) 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). 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. The African-American Literary Tradition (3). 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). 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). Examination of selected works of major American writers.

AML 3630. Latino/a Literature in English (3). 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, displacement, and cross-culturality.

AML 3682. American Multi-Ethnic Literature (3). Introduction to 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). From Brown and Cooper to Hawthorne, Melville, Twain, and Crane.

AML 4121. The 20th-Century American Novel (3). Typically Dreiser, Dos Passos, Fitzgerald, Hemingway, Faulkner, Bellow, and Wright.

AML 4261. Literature of the South (3). 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). An examination of selected works by major African-American writers.

AML 4680r. Studies in Ethnic Literature (3). 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 (24) semester hours.

CRW 3110. Fiction Technique (3). Analysis of and exercises in the elements of fiction: point of view, conflict, characterization, tone, and image.

CRW 3311. Poetic Technique (3). For aspiring poets and critics. Study of the elements of poetry, some practice in writing poetry.

CRW 3410. Dramatic Technique (3). An introduction to playwriting, with emphasis on the relation of the written drama to production. Both published plays and student work will be analyzed.

CRW 4120r. Fiction Workshop (3). Prerequisite: Instructor permission. Practice in short story, novella, or novel. Students will be expected to work toward submission and publication of manuscripts. May be repeated for a total of twenty-four (24) hours credit.

CRW 4320r. Poetry Workshop (3). Prerequisite: Instructor permission. For poets who approach excellence and aspire toward publication. May be repeated for a total of twenty-four (24) hours credit.

CRW 4420r. Drama Workshop (3). Prerequisite: Instructor permission. Students will 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 (24) semester hours.

ENC 1101. Freshman Composition and Rhetoric (3). 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. 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 will be expected to exceed the level attained by students in ENC 1101. Enrollment through the honors program.

ENC 1122. Freshman Writing About Literature: Honors (3). As a literature-based composition course, essay topics will be drawn from selected short stories, drama, and poetry. This accelerated course is designed for honors students; thus, their level of performance will be 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. 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 will total 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. 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 will total 7,000 words. No auditors.

ENC 1145. Freshman Special Topics in Composition (3). Prerequisite: ENC 1101 or ENC 1149. 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.) Individualized program of instruction in writing, including CLAST skills. Open to students from all levels and major areas. May be repeated for a maximum of three (3) semester hours.

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 4212. Editing: Manuscripts, Documents, Reports (3). Actual editing of another's work, synthesizing another's ideas and data, structuring and clarifying.

ENC 4311r. Advanced Article and Essay Workshop (3). Prerequisite: Instructor permission. Writer-editor relationship between student and instructor. For writers who aspire toward publication. May be repeated to a maximum of twenty-four (24) semester hours.

ENC 4500. Theories of Composition (3). Prerequisites: ENC 3310 and Instructor permission. 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 (0–3). (S/U grade only.) Practical experience in editing, public relations, and other forms of written communications. ENC 4212 recommended as a prerequisite. May be repeated to a maximum of three (3) semester hours.

ENG 3014. Critical Issues in Literary Studies (3). Introduction to the issues and debates that inform contemporary literary studies. Required of all literature track majors.

- ENG 3310. Film Genres (3).** 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 3931r. Topics in English (1–3).** May be repeated to a maximum of twenty-four (24) semester hours.
- ENG 4013. Literary Criticism (3).** An 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, Woolf.
- ENG 4020. Rhetorical Theory and Practice (3).** Prerequisites: ENC 3310 and instructor permission. Emphasis on 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. 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 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 (24) 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 (24) semester hours.
- ENG 4934. Senior Seminar in Literature (3).** Prerequisites: Ninety (90) semester hours of college work. Topics vary. Required for senior English majors concentrating in literature. Does not count toward the major for concentration in writing.
- ENG 4936r. Honors Thesis (1–6).** Prerequisites: Instructor permission and admission to the department’s honors-in-the-major program. The honors student takes two semesters of thesis work. May be repeated to a maximum of nine (9) 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 (6) semester hours.
- ENL 2012. British Authors: Beginnings to 1790 (3).** 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 Romantics to the Present (3).** 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).** 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).** An introduction to the study of Shakespeare at the college level. Consideration of representative works of comedy, history, tragedy, tragi-comedy drawn from throughout the playwright’s career.
- ENL 4112. The 18th-Century British Novel (3).** Typically includes Defoe, Richardson, Fielding, Sterne, Burney, and Radcliffe.
- ENL 4122. The 19th-Century British Novel (3).** Typically includes Scott, Thackeray, Dickens, Trollope, Eliot, and Hardy.
- ENL 4132. The Modern British Novel (3).** Typically includes Conrad, Lawrence, Joyce, Woolf, Greene, Spark, and Lessing.
- ENL 4161. Renaissance Drama (3).** 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).** 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).** 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).** 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).** Studies in British poetry and prose from 1660 to 1800.
- ENL 4240. British Romantic Literature (3).** Studies in poetry and prose from 1785 to 1832.
- ENL 4251. Victorian British Literature (3).** Studies in poetry and prose from 1830 to 1900.
- ENL 4273. Modern British Literature (3).** British poetry, fiction, and essays since 1900. Typically includes Hardy, Conrad, Joyce, Yeats, Lawrence, Woolf, Auden, and Lessing.
- ENL 4311. Chaucer (3).** The High Middle Ages in England seen through the perspective of the *Canterbury Tales* read in Middle English.
- ENL 4333. Shakespeare (3).** 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).** 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).** The relationship between meaning, form, and sound in language, including language acquisition, dialects, and grammar.
- LIT 2010. 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).** 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).** Poetry, fiction, drama from WWI to the present. For beginning students.
- LIT 2230. Introduction to Global Literature in English (3).** Introduction to English-language literature from countries that were former British colonies in Africa, Asia, and the Caribbean.
- LIT 3043. Modern Drama (3).** From O’Neill, Pirandello, Miller, and Theatre of the Absurd to the present.
- LIT 3383. Women in Literature (3).** An examination of the representation of women in literature.
- LIT 4033. Modern Poetry (3).** 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. In this course, students 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).** Specific topics in the study of British, American, or Continental drama. May be repeated to a maximum of six (6) hours credit.
- LIT 4093. Currents in Contemporary Literature (3).** Diverse, resurgent, and oppositional trends in literature since 1945; Mailer, Brautigan, Bellow, and others.
- LIT 4184. Irish Literature (3).** 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).** 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).** 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).** An examination of selected works by significant women writers.
- LIT 4514. Postcolonial Literatures and Feminisms (3).** Prerequisites: ENC 1102 and ENC 1142 or equivalent. This course focuses upon literature and criticism about the status of women in former colonies.
- 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.) Individualized program of instruction in critical and comprehensive reading, including CLAST skills. Open to students from all levels and major areas. May be repeated for a maximum of three (3) 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 5068r. Studies in Language and Linguistics (3).
 ENG 5138r. Studies in Film (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 course work 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 AND SMALL BUSINESS MANAGEMENT

COLLEGE OF BUSINESS

Director and Jim Moran Professor of Entrepreneurship: Jerome S. Osteryoung;
Jim Moran Professors of Business Administration: Hochwarter, Ranft;
Professors: Combs, Osteryoung; **Associate Professor:** Ranft; Assistant
Professor: Holcomb; **Assistant in Entrepreneurship:** Presnell

The undergraduate major in entrepreneurship and small business management (ESBM) is designed for those who want to learn more about entrepreneurial and small business fundamentals and concepts. Students admitted into this major will participate in courses and seminars staffed by faculty members, as well as entrepreneurs and small business owners/managers. Students will have opportunities to learn firsthand what is needed to start a new business venture, as well as run an existing business.

The purpose of the ESBM major is to give students the knowledge, skills, and confidence to start or run their own business.

Students who successfully complete the ESBM major will receive a Bachelor of Science (BS) degree in business administration with a major in entrepreneurship and small business management. They may also choose to double major by completing a major in any of the functional academic areas in the College of Business.

Students seeking the ESBM major first must be admitted to the College of Business. The final decision regarding admission to the ESBM major will be based on a student's written application to the ESBM curriculum director. Students may apply each Fall and Spring semester. Information regarding admissions can be obtained from the College of Business Undergraduate Programs Office (RBB 328).

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 and small business management satisfy this requirement by earning a grade of "C-" or higher in CGS 2100.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X001 and ACG X011
2. ACG X071
3. CGS X100* or CGS X100C*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Requirements for a Major in Entrepreneurship and Small Business 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 entrepreneurship and small business management majors; 3) the general business core requirements for entrepreneurship and small business management majors; 4) the general business breadth requirements for entrepreneurship and small business management majors; and 5) the major area requirements for entrepreneurship and small business management majors.

Note: To be eligible to pursue an entrepreneurship and small business management major, students must meet the admission requirements of the College of Business. These admission requirements are described in the "College of Business" chapter of this *General Bulletin*.

General Business Core Requirements

All entrepreneurship and small business management majors must complete the following five (5) 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 Communication (3)
MAN 3240	Organizational Behavior (3)
MAR 3023	Basic Marketing Concepts (3)

General Business Breadth Requirements

All entrepreneurship and small business management majors must complete five (5) 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 major area requirements.

ISM 3003	Foundations of Management Information Systems (3)
QMB 3200	Quantitative Methods for Business Decisions (3)

Plus three (3) electives from the following list of courses:

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
HFT 3240	Managing Service Organizations (3)
MAN 3504	Services Operations Management (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 entrepreneurship and small business management majors must complete eight (8) courses as listed below. A grade of "C-" or better must be earned in each course used to satisfy the entrepreneurship and small business management major area requirements. No course may be used to satisfy part of the major area requirements and part of the general business breadth requirements.

GEB 3130	Introduction to Entrepreneurship and Small Business Management (3)
GEB 4110	Business Plan Development (3)
GEB 4113	Managing the Small to Mid-Sized Company (3)
GEB 4131	Entrepreneurial Seminar (3)

Plus four (4) electives from the following list of courses:

ACG 3171	Analysis of Financial Statement Presentation (3)
ACG 3331	Cost Accounting and Analysis for Business Decisions (3)
FIN 4424	Problems in Financial Management (3)
GEB 4104	Seminar in Small Business Analysis and Assistance (3)
HFT 3000	Introduction to Hospitality and Tourism Management (3)
MAN 3504	Services Operations Management (3)
MAN 4301	Human Resource Management (3)
MAR 3323	Promotional Management (3)
MAR 3461	Principles of Purchasing (3)
MAR 4403	Sales Management (3)
REE 3043	Real Estate (3)

Definition of Prefix

GEB—General Business

Undergraduate Courses

Note: The following listed courses are restricted to ESBM majors only.

GEB 3130. Introduction to Entrepreneurship (3). Prerequisites: BUL 3310, MAN 3240, MAR 3023, and admission to the ESBM major. 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. Students will have the opportunity to interact with local entrepreneurs and to complete a feasibility study for their future business.

GEB 4104. Seminar in Small Business Analysis and Assistance (3). Prerequisite: GEB 4113 and instructor permission. The course is comprised of selected seminars complemented by a 10-week, two-student consulting team working with a local-area entrepreneurial client. The course offers closely supervised consultation and culminates with the creation of a comprehensive consulting report provided for each client.

GEB 4110. Business Plan Development (3). Prerequisite: GEB 4113. Students have the opportunity to complete a business plan for the creation of a new venture. In the process of development, they will 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.

GEB 4113. Managing the Small to Mid-Sized Company (3). Prerequisite: GEB 3130. This course addresses the management of rapidly growing entrepreneurial firms. Topics will include building an infrastructure, planning stage financing, managing under adversity, and managing a business with rapid growth.

GEB 4131. Entrepreneurial Seminar (3). Prerequisite: GEB 4113. Focus on the financial strategies for survival and expansion of existing entrepreneurial businesses, as well as for developing new business ventures.

GEB 4930r. Special Topics in Business (1–3). The content of this course varies to provide an opportunity to study current issues in business and topics not covered in other courses. May be repeated to a maximum of nine (9) semester hours as content varies. Prerequisites may vary as content varies; contact the department for further information.

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

Chair: Kay Pasley; **Eminent Professor:** Fincham; **Professors:** Darling, Krantz, Lee, R. Mullis, Ralston; **Associate Professors:** Cornille, A. Mullis, Readdick, Rehm; **Assistant Professors:** Bojczyk, McWey; **Associates in Family and Child Science:** Barlow, Mills; **Professors Emeriti:** Dales, Greenwood, Hansen-Gandy, Hendrickson, Hicks, Pestle, Rapp, Ridley-Bell, Zongker

The Department of Family and Child Sciences offers two degree programs: family and child sciences and general human sciences. All programs require maintaining a GPA of at least 2.5 in the courses required for graduation as part of the degree program.

Within the family and child sciences degree, students can emphasize either family and child development or family life education. Both emphases address family relations, marital interaction, parent-child interaction, and the growth and development of children within life course and applied developmental science perspectives. In addition, both provide students with an introduction to working in applied settings, including human services agencies, educational settings, child care, and child and family advocacy. The unique focus of family life education is on courses that prepare students to develop and implement educational programs whose goal is to strengthen family life and that are directed toward children, youth, and families. This emphasis 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.

Both emphases include human sciences core courses (FAD 2230 AND 2 of the following: COA 3151, COA 4131, FAD 4455, HEE 3103, HEE 4054, HEE 4300, HME 4221, HOE 3050 or HUN 1201), developmental courses in the major, and in the case of family and child sciences, an approved area of concentration in an allied field. Appropriate internships in applied settings are encouraged. In family and child sciences, four courses are required prerequisites. Students must achieve at least a “B-” in FAD 2230, 3220, 3271, and CHD 2220. 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 completed. Students who do not achieve a grade of “B-” may re-take these courses only once.

Within the general human sciences major, students take a variety of courses from the disciplines represented in the College of Human Sciences, including family and child sciences. The course content prepares students to take the Florida Teachers Examination (subject matter specific in Family and Consumer Sciences) as required for obtaining a temporary teaching certificate and ultimately being competitive for Florida’s Alternative Teacher Certification. The curriculum is not approved by the State Board of Vocational Education for permanent certification. With careful guidance by an adviser, students can prepare for meeting the various requirements that allow them to seek teaching positions in middle and secondary schools. The major also prepares students for positions in human services agencies and the Cooperative Extension Service.

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/dfs>.

Minor

A minor may be earned by completing twelve (12) 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 (9) credit hours must be completed at Florida State University.

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 and general human sciences satisfy this requirement by earning a grade of “C-” or higher in CGS 2064 or EME 2040.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for these University degree programs. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken

either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for these degree programs:

Family and Child Sciences

1. One course (three [3] semester hours) with the PSY prefix
2. One course (three [3] semester hours) with the APB prefix
3. CHD X220
4. FAD X230
5. HUN X201

Human Sciences, General

1. CHM X020
2. CTE X310
3. CTE X401
4. ECO X013
5. FAD X230
6. HUN X125
7. HUN X201

Family and Consumer Sciences Teacher Education (Vocational)

1. EDF X005
2. EDG X701
3. EME X040
4. One course from each of the following areas for a total of fifteen (15) semester hours: biology; chemistry; economics; psychology; political science

Education courses may not be used to meet these communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses in category 4 above may be applied to the corresponding requirements in liberal arts and sciences noted above.

Special Criteria for Teacher Education Program

Please refer to the “College of Education” chapter of this *General Bulletin* for undergraduate criteria for the teacher education program.

Criteria for Admission to Associate Teaching

Please refer to the “College of Education” entry for admission to associate teaching.

In addition, the following departmental requirements must be met for admission to associate teaching:

1. Completion of specified courses in the area of teaching field specialization
2. An overall grade point average (GPA) of 2.5 or above in all course work completed in the teaching field specialization
3. An overall GPA of 2.5 or above in all professional education course work completed
4. An overall GPA of 2.0 or above in all liberal studies or general education course work

Certifications

The family and consumer sciences education major includes the requirements for teacher certification as established by the Florida Department of Education and qualifies graduates to teach both the consumer-homemaking and occupational aspects of family and consumer sciences in middle/junior high schools, high schools, and adult programs. The curriculum is approved by the State Board of Vocational Education.

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*.

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 (6) semester hours.

HOE 4972r. Honors Work (3). Prerequisites: Upper-division majors with an overall grade point average of 3.5 and instructor permission. 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 (6) semester hours.

Definition of Prefixes

CHD—Child Development

FAD—Family Development

HEE—Home Economics Education

HOE—Home Economics: General

Undergraduate Courses

Family and Child Sciences

CHD 2220. Child Growth and Development: The Foundation Years (3). The study of children from birth through middle childhood.

CHD 3472. Child Guidance (3). Prerequisite: Major status. Students will 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. Students will 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). Prerequisite: Major status and junior status. This course provides a basic understanding of adolescent development as it relates to human growth development and learning through a multi-disciplinary 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. Through readings, lecture, discussion, guest speakers, field work, research, and writing, students will 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 will be identified, and current issues that are in need of attention by policy makers will be explored. Research related to family issues and its impact on family policy will be analyzed with emphasis on enhancing the role of family and child professionals in policy process.

CHD 4630. Studying Children: Techniques and Issues (3). Prerequisite: Major status. A survey of methods of child study and research.

CHD 4905r. Directed Individual Study in Child Development (1–3). May be repeated to a maximum of nine (9) semester hours.

CHD 4944r. Internship Child Development (1–12). (S/U grade only.) Prerequisites: Senior standing and instructor permission. Supervised practical field experiences in various professional settings related to child development, including hospitals, extension service, education faculties, government agencies. Child development majors only. May be repeated to a maximum of twelve (12) semester hours.

FAD 2230. Family Relationships: A Life Span Development Approach (3). A study of 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). 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). 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. This course provides undergraduate majors with an introduction to family-based, stress-focused mini-theories. The course will provide 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. Contexts for Family Development (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 eco-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). Prerequisite: Major status. 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. 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. Observation and Participation in Applied Developmental Science (3). Prerequisites: Major status, junior standing, and completion of at least 12 credits in major beyond CHD 2220, FAD 2230, FAD 3220, and FAC 3271. Corequisite: CHD 4225 or CHD 4250 or CHD 4251. This course is designed to provide students with experience in a community setting serving children, families, and/or adults. These experiences will provide students with opportunities to relate class materials with the work environment of child and family services and to develop basic intervention skills.

FAD 4905r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

FAD 4932. Professional Relations (1). Prerequisites: Major standing as well as FAD 3432, CHD 4537, and CHD 4615. This course provides an overview of the principles used to guide conduct and assist practitioners in the family and child sciences in utilizing best practices and ethical conduct.

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 (9) semester hours.

Family and Consumer Sciences Education

HEE 3103. Methods of Teaching Family and Consumer Sciences (3). Prerequisite: Junior standing. This course develops teaching skills in daily lesson planning, delivery of content through various teaching strategies, identification of student needs, development of learning activities, and student assessment in family and consumer sciences. Observation/participation required.

HEE 4054. The Educative Process (3). Planned for human sciences majors who need preparation for teaching in special situations. Not open to family and consumer sciences education majors.

HEE 4300. Program and Curriculum Leadership in Family and Consumer Science Education. (3) This course develops skills in family and consumer sciences program and curriculum leadership, long-range planning, sequencing of objectives, classroom organization and management systems, youth development, and assessment planning.

HEE 4905r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of four (4) semester hours.

HEE 4941. Student Teaching (1–2). (S/U grade only.) Field experience in the teaching of vocational home economics.

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 5906r. Directed Individual Study (1–3). (S/U grade only.)

CHD 5912r. Supervised Research (1–3). (S/U grade only.)

CHD 5915. Methods of Research (3).

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 5942r. Supervised Teaching (1–3). (S/U grades only.)

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 5481r. College Teaching in Family Sciences (2–3). (S/U grade only.)

FAD 5619. Professional Issues in Family and Child Sciences (3).

FAD 5900r. Readings 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 (3–9).

- 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. Family Therapy and Services Research Methods I (3).
 FAD 6608. Family Therapy and Services Research Methods II (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).

Family and Consumer Sciences Education Courses

- HEE 5160. Methods and Media in Home Economics Education (3).
 HEE 5340. Home Economics Program Development (3).
 HEE 5347r. International Home Economics (1–3).
 HEE 5560. Supervision of Home Economics (3).
 HEE 5900r. Readings in Home Economics Education (3–12).
 HEE 5905r. Directed Individual Study (1–3). (S/U grade only.)
 HEE 5911r. Supervised Research (1–4). (S/U grade only.)
 HEE 5935r. Special Topics in Home Economics Education (1–6). (S/U grade only.)
 HEE 6180. College Teaching of Home Economics (3).

The Department of Family and Child Sciences offers graduate programs leading to the Master of Science (MS) degree in the respective areas, and the Doctor of Philosophy (PhD) degree in human sciences with specialization in either child development or family relations, and a Doctor of Philosophy (PhD) degree in marriage and family therapy. For further information relating to graduate course work and thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

FILM STUDIES:
 see Motion Picture, Television, and Recording Arts

Department of FINANCE

COLLEGE OF BUSINESS

Chair: William A. Christiansen; **Professors:** Ang, Clark, Coats, Humphrey, Lee, Peterson; **Associate Professors:** Benesh, Christiansen, Cheng; **Assistant Professors:** Autore, Colak, Doran, Haslem, Hutton, Jiang; **Associate in Finance:** 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:** Peterson; **Robert C. Earnest Professor of Finance:** Coats; **Bank of America Professor in Finance:** Christiansen; **SunTrust Professor of Finance:** Benesh

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 of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X001 and ACG X011
2. ACG X071
3. CGS X100* or CGS X100C*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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 (120) 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 (18) 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 com-

mon course prerequisites for finance majors; (3) the general business core requirements for finance majors; (4) the general business breadth requirements for finance majors; and (5) the major area requirements for finance majors.

Note: To be eligible to pursue a finance major, students must meet the admission requirements of 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 (5) 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 for Finance Majors

All finance majors must complete five (5) 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 three (3) electives from the following list of courses:		
HFT	3240	Managing Service Organizations (3)
ISM	3003	Foundations of Management Information Systems (3)
MAN	3504	Services Operations Management (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 (6) courses (eighteen [18] semester hours) as listed below. 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)

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)

Note: The two course sequence, ACG 3341 (Cost Accounting I) and ACG 3351 (Cost Accounting II), may be substituted for ACG 3331.

FIN 4424 Problems in Financial Management (3)

FIN 4504 Investments (3)

Plus two (2) electives from the following list of courses:

FIN 4324 Commercial Bank Administration (3)

FIN 4329 Current Issues in Banking (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)

REE 4204 Real Estate Finance (3)

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

Undergraduate Courses

FIN 3140. Personal Finance (3). 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. Study of the 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. 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: FIN 3403 and FIN 3244. 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: FIN 3244 and FIN 3403. 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: FIN 3244 and FIN 3403. 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: FIN 3403 and QMB 3200. An introduction to financial modeling and forecasting. Emphasis is on computer models and forecasting financial variables.

FIN 4504. Investments (3). Prerequisites: FIN 3403, FIN 3244, and STA 3014. 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). Prerequisite: FIN 4504. 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: FIN 3403 and FIN 3244. 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 (5) 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: FIN 3403 and FIN 3244. May be repeated to a maximum of nine (9) semester hours as topics vary. Additional prerequisites may be required depending on the topic.

FIN 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine (9) semester hours. Six (6) semester hours of thesis are required to complete honors in the major.

Graduate Courses

ECP 5705. Economic Concepts for Business Decisions (3).

ECP 5706. Economic Analysis for Management (3).

FIN 5425. Problems in Financial Management (3).

FIN 5515. Investment Management and Analysis (3).

FIN 5605. Multinational Financial Management (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 (1–3).

FIN 6709. Seminar in Finance (1–3).

FIN 6804. Foundations of Financial Theory (3).

FIN 6842. Research Methods in Finance (3).

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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

FINANCE:

see also **Multinational Business Operations**

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

Chair: Victor Mesev; **Professors:** Elsner, Kodras, Mesev, O'Sullivan; **Associate Professors:** Baker, Horner, Klooster, Leib, Stallins, Steinberg, Yang; **Assistant Professors:** Jordan, Zhao; **Affiliate and Adjunct Faculty:** Fradel, Miller, Molina

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 to social, economic, and political concerns, 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 (11) semester hours may be double-counted toward both majors.

Several career paths await the graduating geographer in the public and private sectors. Geographers bring important knowledge and analytical techniques to resource management and planning agencies. Their training enables geographers 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. Geographers fill such job titles as cartographer, intelligence officer, economic analyst, and soil conservationist. Another field is metropolitan and regional planning, in which geographers are engaged in monitoring environmental problems, land use changes, waste disposal, housing, transportation patterns, and poverty. Geographers in private business are involved in industrial location research, marketing, planning for utility companies, environmental and site location consulting, real estate firms, port and airport authorities, travel agencies, and in transportation planning for airlines or trucking firms. 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 has a geographic information systems 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 differences is essential to a basic education.

The geography department has expertise in human 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. In human geography, faculty interests cover a number of interrelated topics, including global geographic information science; power relationships; the terrain and tactics of war; social problems such as poverty and residential segregation, and the impact of policies designed to alleviate them; Latin America; medical geography; transportation; and the spatial structure of services, telecommunications, and international trade. The faculty also focuses on a number of environmental and resource issues, including the impacts of natural hazards such as hurricanes, the causes and effects of deforestation, and the development of policies to solve these and similar problems.

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 and environmental studies satisfy this requirement by earning a grade of "C-" or higher in BSC 2010L, CGS 2060, CGS 2064, CGS 2100, GIS 3015, and GIS 4043.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Two introductory courses (six [6] semester hours) in geography with the GEO prefix

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. Geography is fundamentally the study of space, much as history is the study of time. Why phenomena and events occur where they do, and the ramifications they have for other places and cultures, are essential geographic questions. Within this framework, geographers examine such issues as the linkages between international development and environmental conservation, the opportunities and problems associated with growth in Florida, the geographic bases of religious and linguistic conflicts, and the implications of economic restructuring on regional power balances, deforestation, and hunger. The value of a geographic perspective is that such issues become more than isolated events when they are given theoretical grounding and are placed in a broader context of global understanding. In an interdependent world where decisions made in one country affect the lives of people in all societies, responsible world citizenship requires a solid foundation in geographic knowledge.

Major Requirements

A major in geography consists of thirty-one (31) semester hours with a minimum overall GPA of 2.00, including the following five required core courses (16 credit hours):

GEO 1400	Human Geography
GEO 2200C	Physical Geography
GEO 4162C	Spatial Data Analysis
GIS 3015	Map Analysis
GIS 4043	Geographic Information Systems and lab (4 credit hours)

An additional course is required in one of the core areas of human geography (1 class, 3 credit hours).

GEO 3502	Economic Geography
GEO 4421	Cultural Geography
GEO 4471	Political Geography
GEO 4602	Urban Geography

At least six (6) credit hours of courses must be taken at the 4000 level (excluding GEO 4162C, GEO 4905, and GEO 4941). A maximum of three (3) credit hours of GEO 4905 Directed Individual Study (DIS) will be credited toward the major. No credit for geography courses with a grade below "C-" will be applied towards completion of the major. Note that GEA 1000 and GEO 1400 satisfy liberal studies multiculturalism requirements.

Requirements for Minor

A geography minor consists of twelve (12) semester hours of course work in geography (GEO 1400 plus nine [9] additional hours) completed with a grade of "C-" or better. If a geography minor is combined with an environmental studies major, GEO2200C and one other course (up to seven [7] credits total) may count toward both the major and the minor.

For more information contact Dr. Dan Klooster, Undergraduate Adviser, Department of Geography, 318 Bellamy, (850) 644-8382 or dklooste@fsu.edu.

Major in Environmental Studies

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 in environmental studies requires forty-one (41) semester hours with a grade of "C-" or better in each course; at least eighteen (18) 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 [14] credit hours):

BSC 2010	Biological Science I and BSC 2010L (CHM 1045 is prerequisite)
CHM 1045	General Chemistry I and CHM 1045L
GEO 1330	Environmental Science (previously GEO 1331)
GEO 2200C	Physical Geography (previously GEO 3200C)
- II. **Natural Science Electives:** four courses (total twelve [12] credit hours) from the following list:

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 4341	Solid and Hazardous Waste Engineering
GEO 4300	Biogeography
GEO 4930	Special Topics in Geography (Note: content varies and not all GEO 4930 courses will count as Natural Science Electives)
GLY 1892	Environmental Issues in Geology
GLY 2010C	Physical Geology
GLY 4700C	Geomorphology
GLY 4820	Principles of Hydrology
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 4011	Principles of Oceanography
OCE 4017	Current Issues in Environmental Science
OCE 4930	Studies in Oceanography (subjects vary)
PCB 3043	General Ecology
URP 4401	Coastal Ecosystems and Management

III. **Social Science Electives:** three of the following courses (total nine [9] credit hours):

ECP 3113	Economics of Population
ECP 3302	Economics of Natural Resources, Energy, and the Environment
ECP 3322	Economics of Living Marine Resources
GEO 3502	Economic Geography (previously GEO 3540)
GEO 4340	Living in a Hazardous Environment
GEO 4357	Environmental Conflict and Economic Development
GEO 4372	Natural Resources
GEO 4450	Medical Geography
GEO 4471	Political Geography
GEO 4602	Urban Geography
GEO 4930	Special Topics in Geography (Note: content varies and not all GEO 4930 courses will count as Natural Science Electives)
HIS 4930	US Environmental History
PAD 3003	Public Administration in American Society
PAD 4603	Administrative Law
PUP 3002	Introduction to Public Policy
PUP 4203	Environmental Politics and Policy
SYD 3012	Population and Development in Florida
SYD 3020	Population and Society
URP 3000	Introduction to Planning and Urban Development
URP 4022	Collective Decision Making
URP 4314	Growth Management and Comprehensive Planning
URP 4402	Sustainable Development Planning in the Americas
URP 4423	Environmental Planning and Resource Management
URP 4710	Transportation Planning
URP 4936	Special Topics in Planning (subjects vary)

IV. **Methods Electives:** two of the following courses (total six [6] credit hours):

ENV 4611	Environmental Impact Analysis
GEO 4114	Environmental Field Methods
GEO 4162C	Spatial Data Analysis
GIS 3015	Map Analysis
GIS 4006	Computer Cartography
GIS 4043	Geographic Information Systems
GIS xxxx	Remote Sensing
STA 3024	Intermediate Applied Statistics
SYA 4300	Social Research Methods

Minor in Environmental Studies

A minor in environmental studies consists of twenty-three (23) semester hours, including Group I (total of [14] semester hours) and one course each from Groups II, III, and IV (total of nine [9] semester hours). All courses must

be completed with grades of “C–” or better. If an environmental studies minor is combined with a geography major, GEO2200C and one other course (up to seven [7] credits total) may be applied to both the major and the minor.

For more information, contact Dr. Dan Klooster, Undergraduate Adviser, Department of Geography, 318 Bellamy, (850) 644-8382 or dklooste@fsu.edu, or visit the department’s Web site at <http://www.fsu.edu/~geog>.

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, environmental management, or social systems analysis.

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. Tony Stallins, (850) 644-8385, or jastallins@mail.fsu.edu.

Definition of Prefixes

GEA—Geography: Regional Areas

GEO—Geography: Systematic

GIS—Geographic Information Systems

Undergraduate Courses

GEA 1000. World Geography (3). 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). The physical diversity and the cultural and political patterns of North America.

GEA 2270. Florida (3). The physical, social, and economic geography of the state, including growth and environmental issues.

GEA 3173. Third World in Film (3). Weekly feature films are used 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 4405. Latin America (3). The contemporary Latin American landscape, its historical formation, societies and problems.

GEA 4500. Europe (3). Europe’s terrain, variety of cultures, economies, and recent trends toward unity.

GEA 4520. Britain and Ireland (3). The physical and human geography of the United Kingdom and Ireland.

GEA 4554. Russia and Southern Eurasia (3). The peoples, cultures, and places of the former Soviet Union. Discusses the region’s natural environment, historical development, and contemporary politics.

GEO 1330. Environmental Science (3). The causes of local and global environmental problems and their impacts, including resource use, pollution, ecosystems, and population growth.

GEO 1400. Human Geography (3). Introductory survey of world cultures, population problems, global economic restructuring, international development, and political interdependence.

GEO 1931. 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.

GEO 2200C. Physical Geography (3). An overview of Earth-sun relations, weather, climate, landforms, water systems, soils, and vegetation.

GEO 3423. Sports Geography (3). 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). 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 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

GEO 4114. Environmental Field Methods (3). Design and implementation of a field-based project employing field sampling, GIS, GPS, and exploratory statistical methods.

GEO 4162C. Spatial Data Analysis (3). 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). 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). Examines controversies over the use, transformation, and destruction of nature, including political ecology.

GEO 4372. Natural Resource Assessment and Analysis (3). Assessment and analysis of policies concerning natural resources and environmental management in the U.S. and internationally.

GEO 4403. Global Change, Local Places (3). Students examine 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). The study of the processes by which various cultural features have diffused throughout the world. Emphasis is on the contemporary cultural landscape.

GEO 4450. Medical Geography (3). Prerequisites: GEO 1400 and GEO 4185C. Applies geographical concepts and techniques to health-related problems, including the ecology of health, disease diffusion, medical cartography, and health care access.

GEO 4460. Historical Geography (3). Concepts, approaches, and research methods for analysis of spatial patterns of the past and changes through time.

GEO 4471. Political Geography (3). 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). 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 4703. Communications Geography (3). This course examines the geopolitics and space-shrinking effects of telecommunications, as well as economic and social impacts of several technologies, including the Internet and cyberspace.

GEO 4905r. Directed Individual Study (1–5). May be repeated to a maximum of nine (9) semester hours.

GEO 4930r. Special Topics in Geography (1–3). May be repeated to a maximum of nine (9) semester hours.

GEO 4932. Honors Work (1–6). May be repeated to a maximum of nine (9) semester hours.

GEO 4941r. Internship (3–6). Provides students with an opportunity to apply skills in supervised situations off-campus. Course may be repeated to a maximum of six (6) semester hours. Only three (3) may be counted toward the major.

GIS 3015. Map Analysis (3). An introduction to the acquisition, processing, and presentation of cartographic data.

GIS 4006. Computer Cartography (3). 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). Prerequisites: CGS 2060 and GEO 3140 or instructor permission. Survey of GIS topics, including locational control, spatial data structures, modeling and analysis, and future trends in decision support, sensors, and geographic methods.

Graduate Courses

GEA 5195r. Advanced Area Studies (3).

GEO 5056. Social Theory and Spatial Structures (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 5305. Biogeography (3).

GEO 5345. Disaster Preparedness and Hazards Mitigation (3).

GEO 5358. Environmental Conflict and Economic Development (3).

GEO 5377. Natural Resource Assessment and Analysis (3).

GEO 5414. Geospatial Data and Analysis (3).

GEO 5417. Race and Place (3).

GEO 5425. Cultural Geography (3).

GEO 5465. Historical Geography (3).

GEO 5472. Political Geography (3).

GEO 5545. Advanced Economic Geography (3).

GEO 5555. World Systems Theory (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 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 5100. Advanced Geographic Information Systems (3).

GIS 5101. Geographic Information Processing and Systems (3).

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 5400. Geographical Information Systems Applications in Social Sciences (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 GEOLOGICAL SCIENCES

COLLEGE OF ARTS AND SCIENCES

Chair: A. Leroy Odom; **Professors:** Dudley, Hu, Odom, Salters, Tull, Wise; **Associate Professors:** Donoghue, Humayun, Kish, Parker, Wang; **Assistant Professors:** Georgen, Ye; **Professors Emeriti:** Cowart, DeVore, Loper

The Department of Geological Sciences offers undergraduate work for both majors and minors leading to the Bachelor of Science (BS) degree. 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 course work in many areas of surficial, tectonic, and stratigraphic geology 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 the Department of Geological Sciences, with the Florida Geological Survey of the Florida Department of Environmental Protection (located next door), 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*.

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 geological 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C, or CHM X045E
2. CHM X046/X046L, or CHM X046C, or CHM X046E
3. GLY X010C
4. MAC X311
5. PHY X048C or PHY X048/X048L*
6. PHY X049C or PHY X049/X049L*
7. PHY X053C*
8. PHY X054C

A course in historical geology is **strongly** recommended.

Note: (*) The choice of physics sequence depends on the area of geology specialization. Contact department for details.

Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Major

A minimum of thirty-eight (38) semester hours of geology, as specified below and including an elective course chosen from among senior-level and graduate-level geology courses. A major will also include one year each of chemistry with labs, physics and labs, and calculus. No geology or required chemistry, physics, or mathematics course with a grade below "C–" will apply. Based on the recommended series of chemistry, physics, and calculus courses, a candidate for the degree of Bachelor of Science (BS) in geology is required to successfully complete the following courses in addition to other coursework required by the College of Arts and Sciences:

MAC 2311 Calculus with Analytic Geometry I (4)

MAC 2312 Calculus with Analytic Geometry II (4)
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 (2)
PHY 2048C General Physics A with Laboratory (5)
PHY 2049C General Physics B with Laboratory (5)
GLY 2010C Physical Geology (4)
GLY 2100 Historical Geology (3)
GLY 2100L Historical Geology Laboratory (1)
GLY 3200C Mineralogy and Crystallography (3)
GLY 3220C Optical Mineralogy (2)
GLY 3310C Igneous and Metamorphic Petrology (3)
GLY 3340C Sedimentary Petrography (2)
GLY 3400C Structural Geology (4)
GLY 3610C Paleontology (4)
GLY 4511 Principles of Stratigraphy (3)
GLY 4750 Geological Field Methods (1)
GLY 4790 Field Course (6)
GLY 4XXX Geological Elective (2)

GLY 4790 requires the expenditure of approximately \$1,400 by each student to cover the cost of travel and subsistence in the field. This amount excludes tuition. Students are expected to participate in field assignments that may require occasional physically strenuous effort.

It is recommended that students intending to transfer to Florida State University for their junior and senior years' work in geology complete one year of college chemistry before transferring in order to avoid delays in their program of studies.

Minor

The required chemistry-mathematics combination may constitute a minor, or the student may select any other approved minor.

Requirements for a Minor in Geological Sciences

A minor in geological sciences requires a minimum of twelve (12) semester hours, including: GLY 1000 and GLY 1000L or GLY 2010C; GLY 2100; GLY 2100L. At least four (4) semester hours must be at the GLY 3000 level or above.

Definition of Prefixes

ESC—Earth Science

GLY—Geology

Undergraduate Courses

ESC 2200C. Earth Science for EC/EE Teachers (4).

ISC 2937. Natural Science Honors Seminar (3).

ISC 3121. Science, Technology, and Society (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).** 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. Laboratory study of minerals, rocks, maps.

GLY 1030. **Environmental Issues in Geology (3).** 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).** 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). 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 2010C. Physical Geology (4). For majors in geology and natural sciences. Two (2) hour laboratory required. Introduction to surficial and internal processes affecting a dynamic planet Earth. Course credit may not be received for this course and also GLY 1000 or GLY 1030.

GLY 2022C. Geology for Pre-service and In-service Teachers (4). Introduction to geology with emphasis on adapting techniques, skills, and technologies learned in classes/labs for use in the secondary/elementary classroom. Topics include environmental geology, planetary geology, plate tectonics, earthquakes, volcanism, natural resources, the geology of Florida, plus the evolution of the planet and life on it.

GLY 2100. Historical Geology (3). History of Earth and 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. Laboratory study of the physical and biological evidence for the known history of the earth.

GLY 3200C. Mineralogy and Crystallography (3). Prerequisite or corequisite: Chemistry and physical geology. Three (3) hour laboratory required. Introduction to mineralogy, crystal chemistry, and crystallography.

GLY 3220C. Optical Mineralogy (2). Corequisite: GLY 3200C. Three (3) hour laboratory required. The optical properties of crystals and mineral identification by use of the polarizing microscope.

GLY 3310C. Igneous and Metamorphic Petrology (3). Prerequisite: GLY 3220C. Three (3) hour laboratory required. Classification, description, and origin of igneous and metamorphic rocks; relation of these rocks to tectonic processes.

GLY 3340C. Sedimentary Petrography (2). Prerequisite: GLY 3220C. 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. Field trip is required. Theory, processes, mechanics of rock deformation and the deformation of Earth's crust.

GLY 3610C. Paleontology (4). Prerequisites: GLY 2100, 2100L. 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. 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. 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. 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 4551. Sedimentology (2). Prerequisite: GLY 3200C. 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). Laboratory in 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. 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). 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. 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. Course covers 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). Prerequisites: GLY 2010C, GLY 3200, or GLY 3231. 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. 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. 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. Fundamentals of hydrogeology with an emphasis on groundwater flow and hydrochemistry. Both theory and applications are addressed.

GLY 4844. Environmental Geology I (3). The application of geologic and geochemical principles to environmental issues. Topics include: an evaluation of contaminants in surface water; hydrocarbon geochemistry and petroleum storage tank problems; 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 (9) semester hours.

GLY 4915r. Undergraduate Research (2-8). (S/U grade only.) 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 (8) semester hours.

GLY 4917. Senior Thesis (1). (S/U grade only.) Prerequisite: GLY 4915r. 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 (9) semester hours.

Graduate Courses

- 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 5576. Stratigraphy and Sediments of Transitional Marine Environments (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 Calcareous 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 course work 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*.

Pepper Institute on Aging and Public Policy

The Pepper Institute on Aging and Public Policy has a multidisciplinary focus and plays a coordinating and facilitative role for the work of all academic units with interests in aging and social policy. The institute offers a twelve (12) semester hour certificate in aging studies that may be completed by undergraduate or graduate students as part of their regular course of study. The program promotes several courses in health care policy, adult development and aging, and health care delivery systems. The institute also offers an undergraduate minor in aging studies. The resources of the institute are used to support individual or collaborative research initiatives by providing technical assistance or a location for conducting research. The institute facilitates and disseminates research information; provides opportunities for training and study; and sponsors conferences, public lectures, workshops, and symposia to promote the discussion of issues germane to the aging process and to share information with policy makers, professionals, and the community about the elderly and aging issues. The Institute also sponsors a large, lifelong learning educational program for mature adults, The Academy at FSU. For information, contact Susan Lampman at slampman@fsu.edu or (850) 644-3520.

Department of Communication Disorders

The Department of Communication Disorders has a major in communication sciences and disorders and offers Bachelor's, Master's, Advanced Master's, and Doctoral degrees. The scope of the department includes the whole of human communication, both normal and disordered. Students learn the total processes of communication, develop analytical and communicative skills, and obtain experience in evaluation, treatment, and research. For information contact the department at (850) 644-2253 or visit the department Web site at <http://comm.fsu.edu/CommDisDept/>.

The Department of Communication 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 (9) semester hours of coursework and three (3) semester hours of practicum from an approved list of courses and practica. More than forty (40) courses are available in the following disciplines: art education; communication disorders; family and child sciences; middle and secondary education; music education/therapy; nursing; nutrition, food and exercise sciences; physical education; psychology; social work; and childhood education, reading, and disability services. For information, contact Linda Gessner at lgessner@fsu.edu or (850) 644-9141.

Interdisciplinary Social/Health Sciences

The College of Social Science offers an interdisciplinary Master's degree: the Master's of Public Health (MPH).

MPH graduates are trained principally as health policy analysts. They obtain a rich background in epidemiology, health economics, health behavior, health administration, health policy and policy analysis, and statistical and qualitative analytical skills. The skills and knowledge gained may lead to careers in government agencies, legislative staff positions, health care provider organizations, consulting firms, think tanks, advocacy organizations and lobbying firms, international organizations focused on health and population issues, and academic or media positions.

For further information, please contact the Interdisciplinary Programs Office in the College of Social Sciences, 211 BEL, (850) 644-4418, or see <http://www.coss.fsu.edu/publichealth>.

College of Nursing

The College of Nursing offers a Bachelor's and a Master's degree program. The mission of the College of Nursing is to develop nursing leaders for professional practice and research in diverse settings. A separate Registered Nurse (RN) to Bachelor of Science in Nursing (BSN) completion program, leading to a baccalaureate degree or directly into the master's program, is available at the Tallahassee main campus, Panama City branch campus, or fully online throughout the state of Florida. 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 program are prepared for advanced professional positions in nursing education and nurse practitioner. All programs build on a foundation of family and community and prepare the graduate to function effectively and efficiently in the changing healthcare arena.

The student completing a thesis or project receives a Master of Science in Nursing (MSN) degree. For specific information about each role specialty, contact the graduate program at (850) 644-5638.

Department of Nutrition, Food and Exercise Sciences

The Department of Nutrition, Food and Exercise Sciences provides students with a solid foundation in the scientific aspects of nutrition, foods, and health-related physical fitness 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 major, particularly if followed up by an accredited dietetic internship, prepares students to apply their expertise in nutrition science and food service management in a variety of employment settings such as hospitals, 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 domains: 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.

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, or exercise physiology. Four areas of specialization exist at the doctoral level: exercise physiology, food science, nutrition, and neuroscience. Doctoral graduates continue to be recruited for traditional University teaching and research positions and many in the food sciences are hired by industry to research and develop new food products.

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.

HEALTH SERVICES ADMINISTRATION AND POLICY:
see *Graduate Bulletin*

HEBREW:
see Religion

HIGHER EDUCATION:
see Educational Leadership and Policy Studies

Department of HISTORY

COLLEGE OF ARTS AND SCIENCES

Chair: Neil Jumonville; **Associate Chair (Graduate Studies):** Green; **Associate Chair (Undergraduate Studies):** Grant; **Professors:** Blaufarb, Gellately, Green, J. Jones, M. Jones, Jumonville, McMahon, Oldson, Wynot; **Associate Professors:** Creswell, Garretson, Grant, Gray, Hadden, Herrera, Liebeskind, Sinke, Stoltzfus; **Assistant Professors:** Davis, Hanley, Koslow, Schmidt, Serna; **Professors Emeriti:** Anderson, Bartlett, Betten, Bryant, Conner, Horward, Keuchel, Mizell, Moore, 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. Two introductory courses (six [6] semester hours) in history with an AMH, ASH, EUH, HIS, LAH, or WOH prefix

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

Thirty-three (33) 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 (21) additional semester hours in history (above 2999) distributed as follows:

1. Six (6) semester hours of American history
2. Six (6) semester hours of European history
3. Six (6) semester hours of Latin American, Asian, African, or Russian history
4. Three (3) 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 (18) of the thirty-three (33) 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 (12) semester hours beyond liberal studies requirements in an approved departmental field or fifteen (15) semester hours in an inter-

departmental 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 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 (6) 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 (3) semester hours of test credit in an area will be required to complete the resulting three (3) 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 (12) 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 (6) of the twelve (12) 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

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 (3) 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 will examine, both chronologically and thematically, the experience of African-Americans in the United States and their role in shaping the nation's history. Course will not count as credit toward the history major.

AMH 2010. A History of the United States (3). 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). A survey of 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). Course surveys American Indian relations with the people and the government of the United States, beginning in the 1760s and continuing to the present. 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 will also be exposed to the Indian perspective on familiar historical events such as the Civil War, the New Deal, and the 1960s. Course will not count as credit toward the history major.

AMH 2096. Black Women in America (3). This course will examine (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. Course will not count as credit toward the history major.

AMH 2097. Nationality, Race, and Ethnicity in the United States (3). The history of immigration to the United States. Includes the evolution of ethnic cultures and the role of race, acculturation, and assimilation, and the conflict from colonial times to the present. Course will 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 is an introductory course 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 will be to understand the historical and cultural background of the major problems facing the Middle East today. Course will 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.

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). A cross-cultural history of Latin America focusing on women, Native Americans, African-Americans, mestizos, and mulattoes in historical context. Course will 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 is an introductory course for African history and civilization. It covers the broad sweep of African history and culture. The primary emphasis will be to understand the background to some of Africa's major problems and possibilities today. Course will not count as credit toward the history major.

AFH 3451. Sub-Saharan Africa Since 1800 (3). A history of Sub-Saharan Africa since 1800 is intended 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 will concentrate 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). An analysis of the day-to-day lives of American people. Topics treated will 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). 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). Begins with the colonial and revolutionary background of U.S. politics. The bulk of the course studies U.S. political parties and elections from the 1790s to 1877. Special emphasis is placed on the presidency and on the groups and issues that have influenced political parties.

AMH 3352. U.S. Political History from 1877 to the Present (3). 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 19th 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 19th century explorations and culminating with the symbolic "closing of the frontier" of the 1890s.

AMH 3470. The Evolution of Organized Crime (3). 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). 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). 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). A study and comparison of the founding and development of the English colonies in North America.

AMH 4130. Revolutionary America, 1760-1788 (3). 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. Special emphasis will be given to 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—some intended by the founders but many not—in which the former colonies were transformed by the experience.

AMH 4140. Thomas Jefferson's America (3). Examines the political and cultural history of the United States from the first presidential election through the "Era of Good Feelings." In 1789, the leaders of the new government faced a difficult and confusing task: they needed to build working political institutions out of the Constitution's vague instructions and at the same time create a stable, unified nation out of a divided and scattered collection of societies and peoples. The events of this period determined what type of nation the United States would become. Considerable attention will be devoted to Thomas Jefferson himself, as a figure who both shaped and represented his era.

AMH 4160. Andrew Jackson's America (3). Examines American politics, society and culture in the 1820s, '30s, and '40s. During these decades, the young republic experienced astonishing economic and geographic growth as its government became explicitly democratic for the first time. In the process, many older ways of life and inconvenient peoples were destroyed or shunted aside, as white farmers invaded Native American (and Mexican) lands and industrial capitalism enveloped the countryside. The course will focus on the turmoil that resulted from these changes, as well as on the era's remarkable achievements. Considerable attention will be devoted to Andrew Jackson himself, as a figure who both shaped and represented his era.

AMH 4172. The Civil War Era (3). In-depth study of the 20 years from 1845 to 1865. Emphasis will be 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). Analysis of post-Civil War America with emphasis on the black role in American society and the attempt to heal the wounds of the Civil War. Other topics include the rise of big business, labor unions, and the last frontier.

AMH 4220. U.S. Progressive Era, 1890–1920 (3). This course will include 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. It will devote special attention to 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). A general course in United States history from 1920 through 1945, i.e., a study of political, economic, diplomatic, military, social, and cultural/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). 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). An interdisciplinary study of American thought from the Puritans to the late 19th century, asking, among other questions, what mission America assigned to itself. Among the ideas examined will be 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). 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). 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). A 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 major attention given to the period 1920 to the present—the period of greatest growth.

AMH 4463. Urban America Since 1879 (3). The development of American cities and the attempts to deal with changing urban problems from 1879 to the present.

AMH 4511. Twentieth-Century United States Foreign Relations (3). The focus in this course is on 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). 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 19th 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 19th-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 20th-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 4565. Colonial and Revolutionary Era American Women’s History (3). Course explores the lives of Native American, African and European women before they came into contact in America, how that contact altered their patterns of behavior, and how major events in America affected women’s lives.

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 will be 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 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). 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.

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 (6) semester hours.

ASH 4223. Modern Middle East (3). 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 4404. China Since 1898 (3). A study of China from the Boxer Uprising through the Kuomintang and Communist Revolutions.

ASH 4442. History of Modern Japan (3). An examination of the history of Japan from its emergence as a modern state in the mid-19th century, through its defeat in World War II, to its current position as a leading economic power. Focus is on political and social evolution, empire building, postwar reconstruction, and U.S.-Japan relations.

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). A survey of the Near East—Anatolia, Mesopotamia, Egypt, the Holy Land—in the ancient period.

CLA 4437r. Studies in Greek History (3). Study of specified periods of Greek history, whether archaic, classical, or Hellenistic. May be repeated to a maximum of six (6) semester hours.

CLA 4447r. Studies in Roman History (3). Study of specified periods of Roman history in the Republic or Empire. May be repeated to a maximum of six (6) semester hours.

CLA 4880. Roman Law (3). A survey of the principles and procedures of Roman law.

EUH 3420. Rise and Fall of Classical Civilization (3). A survey of the histories of Greece and Rome and their major accomplishments.

EUH 4401. Classical Athens and Sparta (3). 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). 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). 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). 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). European history 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 will be paid to the major powers.

EUH 3206. 20th-Century Europe: A Survey (3). European history from the turn of the century through the two world wars. Particular attention will be 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). Traces the development of Italy from the Enlightenment to the present. Discussions will concentrate on the major social, political, and intellectual currents, centering on the unification movement, the crisis of the Liberal State, and Fascism.

EUH 3462. Modern Germany (3). Traces the history of Germany from 1815 to the present. Attention is primarily directed to the origins of the German national state; the political, economic, and cultural background of Nazi Germany; and the development of two rival states in the post-World War II era.

EUH 3501. The Making of Modern England (3). A rapid survey of English history from Anglo-Saxon times to 1783. The lectures will emphasize the constitutional and legal aspects of English history, while the readings will cover broadly cultural and social aspects as well.

EUH 3530. England, the Empire and the Commonwealth (3). 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). Surveys the history of Ireland from prehistory 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 will examine the social, economic, and cultural as well as political development of the Polish nation in the 19th and 20th centuries. Although particular stress will be placed on internal history, appropriate attention will focus on Poland's role in international relations.

EUH 3571. Russia to Nicholas I (3). 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 19th century.

EUH 3572. History of Russia, 1825 to the Present (3). This course will examine 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 will be on internal history, appropriate attention will be 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 will provide 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). A study of the character of medieval Italy and a survey of economic, political, and cultural changes in Western Europe.

EUH 4144. Reformation (3). 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 will cover European history in the period 1900-1918 with a review of the domestic situation and foreign policy of the major Continental powers with 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). Deals with 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 will examine 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 will be made to present issues within a comparative framework.

EUH 4332. Balkans Since 1700 (3). The course of Balkan history emphasizing 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). Deals with 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 4500. England in the Middle Ages (3). History of England from Anglo-Saxon settlements to the establishment of the Tudor Dynasty. The course covers all significant aspects of life in medieval England, but emphasis is on growth of English common law and the constitution. Of particular interest to prelaw students.

EUH 4502. England Since 1870 (3). A 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). History of England from the reign of James I to the death of Queen Anne in 1714. Scottish history will be covered as well, and due attention will be 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). 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). 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 will examine 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). 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). 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.

Latin American History

LAH 3411. History of Mexico, Central America, and the Caribbean (3). 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). 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). 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). 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). 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). Cuba, Puerto Rico, and other Caribbean societies are the subjects of this course. 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). Latin America's largest and most populous nation is the subject of this course. Themes include the evolution of Brazil's multiethnic society, the struggle for economic development, and the search for a viable political regime.

LAH 4723. Race and Class in Colonial Latin America (3). 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). 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 3949r. Cooperative Education Work Experience (0). (S/U grade only.) This course will not count as credit toward the history major.

HIS 4070. Oral History (3). Exposes students to the use of oral history as a research technique and provides experience in conducting professionally acceptable oral history interviews. Course will not count as credit toward the history major.

HIS 4080. Archives Management (3). The nature of archives; various types of records; arranging and processing archives; restoring and protecting records; archival institutions, policies, and procedures. Course will not count as credit toward the history major.

HIS 4081. Museum Management (3). History and philosophy of museums, especially historical museums; organization and operation; planning exhibits; educational activities; and public relations. Course will not count as credit toward the history major.

HIS 4086. Historic Sites Identification and Preservation (3). The identification, preservation, and maintenance of historic sites; the historic preservation movement. Course will not count as credit toward the history major.

HIS 4906r. Directed Individual Study (1–4). May be repeated to a maximum of twelve (12) semester hours. Course will not count as credit toward the history major or minor.

HIS 4930r. Special Topics in History (3). Specialized approaches to history. Topics will vary. The course may be repeated for different topics to a maximum of twenty-four (24) semester hours.

HIS 4931r. Tutorial in History (1–2). Prerequisites: Senior history majors or minors status and instructor permission. Selected topics in history. A maximum enrollment of five (5) students in each tutorial. May be repeated only once and to a maximum of four (4) semester hours. Course will not count as credit toward the history major or minor.

HIS 4935r. Senior Seminar (3). 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 (6) semester hours.

HIS 4936r. Honors Work (1–6). Open to participants in the University's and departmental honors program. The student must complete six (6) thesis hours. This course will not count as credit toward the history major. May be repeated to a maximum of nine (9) semester hours.

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). Avoiding the common Eurocentric approach, this course deals with World War II on a global basis. It 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 (4).

American History

- AMH 5116.** Colonial American History to 1763 (4).
AMH 5139. Revolutionary America, 1760–1788 (4).
AMH 5149. Thomas Jefferson's America (4).
AMH 5177. The Civil War Era (4).
AMH 5178. Post-Civil War, 1865–1890 (4).
AMH 5229. U.S. Progressive Era, 1890–1920 (4).
AMH 5239. The United States, 1920–1945: Prosperity, Depression, and World War II (4).
AMH 5278. The United States Since 1945 (4).
AMH 5336. U.S. Intellectual History I: Beginning to 1880 (4).
AMH 5337. U.S. Intellectual History II: 1880 to the Present (4).
AMH 5404. The Old South (4).
AMH 5405. The South Since 1865 (4).
AMH 5424. History of Florida from 1821 to the Present (4).
AMH 5469. Urban America Since 1879 (4).
AMH 5518. Twentieth-Century United States Foreign Relations (4).
AMH 5555. American Legal History I (4).
AMH 5556. American Legal History II (4).
AMH 5564. Women in Modern America (4).
AMH 5567. Women in 19th-Century America (4).
AMH 5568. Colonial and Revolutionary Era American Women's History (4).
AMH 5576. Black America to 1877 (4).
AMH 5577. Black America Since 1877 (4).
AMH 5635. Florida Environmental History (4).
AMH 5636. North American Environmental History (4).
HIS 6148. American Historiography (4).

Asian History

- ASH 5226.** Modern Middle East (4).
ASH 5266. Central Asia Since the Mongols (4).
ASH 5408. China Since 1898 (4).
ASH 5529. Traditional India (4).
ASH 5559. Modern India (4).

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).
CLA 5885. Roman Law (3).

European History

- EUH 5125.** The Crusades (4).
EUH 5127. Earlier Middle Ages (4).
EUH 5128. Later Middle Ages (4).
EUH 5146. The Renaissance (4).
EUH 5147. The Reformation (4).
EUH 5238. Rise of Nationalism (4).
EUH 5246. World War I: Europe, 1900–1918 (4).
EUH 5249. The Holocaust in Historical Perspective (4).
EUH 5285. Europe in the Cold War and Detente (4).
EUH 5338. History of East Central Europe, 1815 to the Present (4).
EUH 5365. The Balkans Since 1700 (4).
EUH 5457. The Age of the French Revolution, 1715–1795 (4).
EUH 5458. Napoleonic Europe, 1795–1815 (4).
EUH 5467. Nazi Germany (4).
EUH 5508. England in the Middle Ages (4).
EUH 5509. Modern Britain Since c. 1870 (4).
EUH 5518. Stuart England (4).
EUH 5527. England, 1714–1870 (4).
EUH 5548. Sex and Class in England, 1750–1914 (4).
EUH 5578. 19th-Century Russia (4).
EUH 5579. 20th-Century Russia (4).
EUH 5608. European Intellectual History, 1500–1800 (4).
EUH 5609. European Intellectual History, 1800 to Present (4).
HIS 5256. War and the Nation State (4).

Latin American History

- LAH 5439.** History of Mexico (4).
LAH 5475. History of the Caribbean (4).
LAH 5727. Race and Class in Colonial Latin America (4).
LAH 5749. Social Revolutionary Movements in Latin America (4).

Historical Administration

- HIS 5077.** Oral History (4).
HIS 5082. Introduction to Archives (4).
HIS 5083. Introduction to Historic Preservation (4).
HIS 5084. Museum Management (4).
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 6055. Historical Methods/Public History (4).

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 (4).
HIS 5940r. Supervised Teaching (1–5). (S/U grade only.)
HIS 6059. Historical Methods (4).
HIS 6087. Museum Studies and Practice (4).
HIS 6469. Historiography and Science (4).
HIS 6500. History of Life Sciences (4).
HIS 6909r. Directed Individual Study (1–4). (S/U grade only.)
HIS 6910r. Directed Individual Research (1–3). (S/U grade only.)
HIS 6934r. Special Topics in History (4).
HIS 6941. Teaching History at the College Level (4).
WOH 5238. Disease, Race, and Environment (4).
WOH 5246. World War II (4).

For listings relating to graduate course work 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

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, and 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) degree 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 (12) 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 Sarah Fisk in the History and Philosophy of Science Program at (850) 644-7248 or by email at sfisk@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*.

HIS	3464	History of Science (3)
HIS	4930	Special Topics in History (3)
AMH	4630	North American Environmental History (3)
ISC	3076	Science, Technology, and Society (3)
PHI	2620	Environmental Ethics (3)
PHI	3400	History and Philosophy of Science (3)
PHI	2100	Reasoning & Critical Thinking (3)
PHI	3130	Introduction to Symbolic Logic (3)
REL	3493	Religion and Science (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)
ANT	4553	The Great Apes (3)
ANT	4586	Human Evolution (3)
ANT	2511	Introduction to Physical Anthropology and Prehistory (3)
PSB	2000	Intro to Brain and Behavior (3)
PSB	4461	Hormones and Behavior (3)
PCB	3043	General Ecology (3)
PCB	4674	Evolution (3)
BSC	2010	Biological Science I (3)
BSC	1005	General Biology for Non-Majors (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 General Bulletin* at <http://registrar.fsu.edu/bulletin/>.

Dedman School of HOSPITALITY

COLLEGE OF BUSINESS

Director and Robert H. Dedman Professor: Robert A. Brymer; **Professors:** Bonn, Brymer, Harris; **Associate Professors:** Kim, Ohlin; **Associates in Hospitality:** Lanford; **Assistants in Hospitality:** Farr, Koenigsberg; **Cecil B. Day Professor of Lodging Management:** TBA; **Robert H. Dedman Professor in Service Management:** Bonn

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 manager 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 teaching kitchens, a technology center, a publication resource center, 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 PGM program. A state-of-the-art training facility, a pro shop, 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 practical, 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 of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X001 and ACG X011
2. ACG X071
3. CGS X100*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Requirements for a Major in Hospitality 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 hospitality management majors; 3) the general business core requirements for hospitality management majors; 4) the general business breadth requirements for hospitality management majors; and 5) the major area requirements for hospitality management majors.

Note: To be eligible to pursue a hospitality management major, students must meet the admission requirements of the College of Business. These admission requirements are described in the "College of Business" chapter of this *General Bulletin*.

General Business Core Requirements

All hospitality management majors must complete the following five (5) 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 hospitality management majors must complete five (5) courses as follows. Each course selected must be completed with a grade of "C-" or better.

HFT	3240	Managing Service Organizations (3)
MAN	4720	Strategic Management and Business Policy (3)
Plus three (3) electives from the following list of courses:		
FIN	3244	Financial Markets, Institutions, and International Finance Systems (3)
ISM	3003	Foundations of Management Information Systems (3)
MAN	3504	Services Operations Management (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 hospitality management majors must complete eighteen (18) semester hours of hospitality major area courses. These courses include nine (9) hours in the hospitality core and nine (9) hours from one of the approved hospitality tracks listed below. A minimum grade point average (GPA) of 2.0 must be earned in courses used to satisfy the hospitality management major area requirements.

Hospitality Core:

- HFT 2001 Hospitality Careers (1)
- HFT 3806 Introduction to Food and Beverage Management (3)
- HFT 4471 Managing Revenues and Expenses (3)
- HFT 4224 Managerial Behavior in Hospitality Operations (2)
- HFT 4941 Field Study in Hospitality Administration (0)

Lodging Management Track:

- HFT 3263 Restaurant Operations (3)
- HFT 4253 Lodging Management (2)
- HFT 4290 Luxury Hotels and Resorts (1)
- HFT 4502 Hospitality Services Marketing and Research (3)

Conventions and Events Management Track:

- HFT 3519 Convention Services and Event Management
- HFT 4253 Lodging Management (2)
- HFT 4290 Luxury Hotels and Resorts (1)
- HFT 4502 Hospitality Services Marketing and Research (3)

Food and Beverage Management Track:

- HFT 3263 Restaurant Operations (3)
- HFT 4802 Catering Management (3)
- HFT 4803 Advanced Food and Beverage Management (3)

Club Management Track:

- HFT 3263 Restaurant Operations (3)
- HFT 3277 Club Management (3)
- HFT 4334 Advanced Club Management (3)

Students enrolled in the Dedman School of Hospitality must complete at least one thousand (1,000) hours internship experience in the hospitality industry. The internship 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 internship experience.

Students are encouraged to select general electives from a list of recommended electives that is available from the Dedman School of Hospitality. A hospitality management internship (HFT 3941) for academic credit is highly recommended for all hospitality management majors. Contact the Dedman School for additional information.

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 courses are offered:

HFT 4930r	Special Topics in Hospitality Administration [International Hotel Administration] (3)
HFT 4930r	Special Topics in Hospitality Administration [Special Studies in International Hospitality Administration] (3)
HFT 4930r	Special Topics in Hospitality Administration [European Food & Wine] (3)
HFT 4930r	Special Topics in Hospitality Administration [European Travel & Tourism] (3)

Courses completed in this program count toward the State of Florida requirement that at least nine (9) semester hours be completed in the summer term at one of the State University System senior institutions.

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 State of Florida common course prerequisites for professional golf management majors
 3. The general business core requirements for professional golf management majors
 4. The general business breadth requirements for professional golf management majors
 5. The major area requirements for professional golf management majors
- Note:** To be eligible to pursue a professional golf management major, students must meet the admission requirements of 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 golf management majors must complete the following five (5) 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 professional golf management majors must complete five (5) courses as follows. Each course selected must be completed with a grade of "C-" or better.

HFT 3240	Managing Service Organizations (3)
MAN 4720	Strategic Management and Business Policy (3)

Plus three (3) electives from the following list of courses:

FIN 3244	Financial Markets, Institutions, and International Finance Systems (3)
ISM 3003	Foundations of Management Information Systems (3)
MAN 3504	Services Operations Management (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

Note: The professional golf management (PGM) curriculum is under revision at the time of printing this Bulletin. Please contact the Dedman School

of Hospitality or the College of Business Undergraduate Programs Office for updated information on course requirements, course numbers, and course offerings. Information is also available at <http://www.cob.fsu.edu/undergrad/>.

A minimum grade point average (GPA) of 2.0 must be earned in courses used to satisfy the PGM major area requirements. PGM majors must also satisfy a number of supplemental requirements, including a playing ability test, PGA workshops, and internships, as described in the PGM policies and procedures handout available from the Dedman School of Hospitality. The PGM major area includes courses in introduction to food and beverage management, managing revenues and expenses, managerial behavior in hospitality operations, club management, agronomy for golf course management, and professional golf management.

Definition of Prefixes

FSS—Food Service System

HFT—Hospitality Management

Undergraduate Courses

FSS 3337. Quantity Food Production Management (2). Corequisite: FSS 3337L. Food and beverage sanitation, production, and service; food service equipment; menu planning and costing; nutrition and safety. Introduction to basic food and beverage management concepts.

FSS 3337L. Quantity Food Production Management Laboratory (1). Corequisite: FSS 3337. Commercial quantity food production experience.

FSS 4338. Food and Beverage Management (2). Prerequisites: FSS 3337, FSS 3337L, and senior standing. Corequisite: FSS 4338L. Management methods and concepts utilized in administration of advanced food and beverage functions.

FSS 4338L. Food and Beverage Management Laboratory (1). Prerequisites: FSS 3337, FSS 3337L, and senior standing. Corequisite: FSS 4338. Production and service of international cuisine.

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.

HFT 2001. Hospitality Careers (1). This course provides an introduction to the many segments and career paths available in the hospitality industry, including hotels, resorts, restaurants, clubs, senior living, and attractions. The course includes site visits to on-going operations.

HFT 2352. Introduction to Professional Golf Management (1). This course focuses on preparing students for the management of golf operations. For professional golf management majors only.

HFT 3003. Introduction to Hospitality and Tourism Management (3). This course is open to non majors and offers an introductory review of the segments, disciplines, career opportunities, and current issues in the hospitality industry. Industry leaders may be featured as guest speakers.

HFT 3221. Human Resource Management in Hospitality Operations (3). Prerequisite or corequisite: MAN 3240. 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). 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 3272. Senior Services Management (3). 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 3277. Club Management (3). 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). 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. Cost Control Systems in Hospitality Operations (3). Prerequisites or corequisites: MAN 3240 and ACG 2021. 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 3519. Convention Services and Event Management (3). This course provides a comprehensive approach to managing, marketing, and planning conventions, special events, and conferences.

HFT 3603. Law for Hospitality Operations (3). Prerequisites: HFT 3221 and BUL 3310. 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). Tourism management, organization, and development. Emphasis on economic and environmental issues confronting the industry such as balancing use and preservation. Open to nonmajors.

HFT 3806. Introduction to Food and Beverage Management (3). Prerequisite: HFT 2001. 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 (1–3). (S/U grade only.) Prerequisites: A 3.0 GPA average and three 3-hour courses in hospitality administration, excluding DIS. A management internship program providing on-the-job management experience in some phase of the hospitality industry. HAD majors only. May be repeated to a maximum of nine (9) semester hours.

HFT 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

HFT 4224. Managerial Behavior in Hospitality Operations (2). Prerequisites: All required hospitality courses. This course provides an analysis and development of interpersonal management skills, including leadership, ethics, employee and guest relations, and team building. Discussions focus on current issues, training, and quality management in the hospitality industry.

HFT 4253. Lodging Management (2). This course provides a study of hotels, motels, and other types of lodging operations including functional department organization, operation, and systems. Emphasis is on rooms, department, and computer usage in lodging properties, as well as quality issues.

HFT 4290. Luxury Hotel & 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 4294. Strategic Management and Operations Analysis in Hospitality Administration (3). Prerequisites or corequisites: all hospitality core courses. Integrative, applied course in strategic management and decision making in the hospitality industry utilizing case studies and simulation exercises. An in-depth examination of the use of various management tools for problem solving. Discussions of industry trends, multicultural, and quality issues.

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: ACG 2021 and FIN 3403. 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). Prerequisite: MAR 3023. 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 or 500 hours of work experience. 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). 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 21 years of age and older. May not be taken as a S/U course.

HFT 4905r. Directed Individual Study (1–3). May be repeated up to five (5) times.

HFT 4930r. Special Topics in Hospitality Administration (1–3). In-depth study of current topics in hospitality administration. May be repeated to a maximum of twelve (12) semester hours when topics change.

HFT 4941. Field Study in Hospitality Administration (0). (S/U grade only.) 1,000 hours of satisfactory, acceptable internship experience in the hospitality industry. Discussion expands and integrates the internship experience to enhance management decision-making skills. Report and supervisors' evaluation required. Students should register for this class the semester in which they graduate.

HFT 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine (9) semester hours. Six (6) semester hours of thesis are required to complete honors in the major.

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).

HFT 5935. Special Topics in Hospitality and Tourism (3).

HOUSING AND COMMUNITY DEVELOPMENT:
see Urban and Regional Planning

HOUSING AND HOME DESIGN:
see Family and Child Sciences

HUMAN SCIENCES, GENERAL COURSES:
see College of Human Sciences

Graduate Courses

HFT 5226. Leadership Strategies in Hospitality and Tourism Organizations (3).

HFT 5245. Managing Service Organizations (3).

Department of Interdisciplinary HUMANITIES

COLLEGE OF ARTS AND SCIENCES

Chair: David F. Johnson; **Assistant Director:** Maricarmen Martinez; **Seminar Instructors:** Briggs, Martinez, Stoddard; **Director of Undergraduate Studies:** Stoddard

A Bachelor of Arts (BA) degree 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.

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 (6) 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 thirty-nine (39) semester hours beyond the liberal studies requirements and numbered above 1999. All course work counted toward the humanities major must be completed with a “C–” or higher. All humanities majors must take HUM 2210, 2235, 2250, and 3324 or their equivalents, before taking the required HUM 4935 seminar. Humanities majors must also 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. A list of approved courses for the various tracks of the major can be found at: http://dih.fsu.edu/undergraduate_guide.html. The courses will be distributed as follows:

1. Eighteen (18) semester hours in one of the following departments: American studies; Art History; Asian studies; Classics; English; History; Communication; Film studies; Interior Design; Latin American and Caribbean studies; Modern Languages and Linguistics; Music (history and theory); Philosophy; Religion; and Theatre (history and criticism); or in literature courses in a classical language numbered above 1999 or a modern language numbered above 2999
2. Fifteen (15) semester hours in one of the following concentrations or time periods—American studies; Asian and Middle East studies; African-American studies; Latin American and Caribbean studies; Women’s studies; or Classical studies, Medieval studies, Renaissance studies, 18th-century studies, 19th-century studies, 20th-century studies; with no more than two courses in this cluster being selected from any one of the above-mentioned departments
3. Nine (9) semester hours of criticism and appreciation to be selected as follows: one course from each of the three (3) categories listed below (a, b, and c)
 - a. Choose one of the two courses listed below.
 - ARH 3056 History and Criticism of Art I (3)
 - ARH 3057 History and Criticism of Art II (3)
 - b. Choose one of the four courses listed below.
 - ENG 3014 Critical Issues in Literary Studies (3)
 - ENG 4115 Film Theory (3)
 - ENL 3334 Introduction to Shakespeare (3)
 - ENL 4333 Shakespeare (3)

- c. Choose one of the five courses listed below.

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 2051	Music Cultures of the World–Music of Tribal and Folk Culture (3)
MUH 2052	Music Cultures of the World II–Ritual and Art Music of the Non-Western World (3)
MUH 3053	American Roots Music (3)
MUH 2019	Modern Popular Music (3)

Note: Six (6) of the above hours are to be taken as part of the course requirements for either the departmental *or* the time period/concentration segments of the program.

4. Three (3) semester hours in HUM 4935 Seminar in the Humanities

Note: This seminar can only be taken after receiving adviser approval and item #3 above has been completed.

All interdisciplinary humanities majors are required to schedule regular advising appointments each semester. Additionally, humanities majors are required to schedule a graduation check with the college and with the University Registrar upon completion of ninety (90) 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.

Honors in the Major

The department 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 <http://www.honorsinthemajor.fsu.edu>.

Requirements for a Minor in Humanities

Courses taken to meet the humanities minor **are not** applicable to **any** other requirement. The undergraduate minor may be accomplished in one of the two following ways:

1. Twelve (12) semester hours in courses with the HUM prefix
2. Fifteen (15) semester hours of courses specified by the humanities program. Please visit the Humanities department for a list of courses. All course work counted toward the humanities must be completed with a “C–” or higher

Definition of Prefix

HUM—Humanities

Undergraduate Courses

HUM 1920. Freshman Interest Group (1). (S/U grade only.) Taught Fall term only. Topics vary. The Freshman Interest Group (FIG) Colloquium is a seminar-structured class designed to provide a set of experiences that will introduce the student to the academic culture at FSU.

HUM 1921. 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.

HUM 2210. Humanities: Pre-history to Late Antiquity (3). The course offers an introduction to the thought, literature, and arts of Western culture from Homer to the Gothic.

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 18th-Century Romanticism to the Postmodern period.

HUM 2944r. University Honors Colloquium (1). (S/U grade only.) Prerequisite: Admission to the honors program. Each Fall faculty from across the academic and creative arts spectrum explore “Art and Inquiry in the Modern University” with entering honors students. Discussions follow each weekly presentation. Students are required to write responses totaling two thousand (2,000) words. May be repeated to a total of two (2) 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). Explores diversity within Western culture by focusing on film as a key medium for shaping social and cultural attitudes and values. Primary emphasis will be placed on the themes of race and gender, but the student will also be trained in the analysis and appreciation of film as a uniquely modern art form.

HUM 3324. Cultural Imperialism (3). 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 will be 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 3800. Humanities: Principles of Criticism and Appreciation (3). This course offers an introduction to the principles of criticism and appreciation of arts and humanities.

HUM 3930r. Humanities: Special Topics (1–3). May be repeated to a maximum of six (6) 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 10 weeks. The minimum length of the paper will be 30 pages excluding footnotes and bibliography. HUM 4906r cannot count toward major course work. May be repeated to a maximum of nine (9) semester hours.

HUM 4907r. Honors Work (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine (9) 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 (6) 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 (12) 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 (6) 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). (S/U grade only.)

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).

For listings relating to graduate course work for thesis, dissertation, and master’s and doctoral examinations and defense, consult the *Graduate Bulletin*.

Interdepartmental IBERIAN STUDIES VALENCIA CENTER MINOR

COLLEGE OF ARTS AND SCIENCES

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 (15) semester hours (to include at least two disciplines) in courses approved by the Iberian Studies Valencia Center Minor Coordinating Committee. **At least nine (9) semester hours of approved courses must be taken while the student is in residence at the FSU Valencia Study Center.** A maximum of nine (9) 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 (3) 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 4440	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: 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 Workshop (3)
ENC 4311	Advanced Article and Essay Workshop (3)
EUH 3004	19th Century Europe: A Survey (3)
EUH 3005	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)

All other courses, with the exception of any Spanish courses below the 3000 level offered, 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 approves them. To have such courses considered, petition the Coordinating Committee, *University Center A5500, Tallahassee, FL, 32306-2420*

Department of INDUSTRIAL ENGINEERING

FAMU-FSU COLLEGE OF ENGINEERING

Chair: Zhang, C.; **Professors:** Awoniyi, Braswell, Wang, Zhang; **Associate Professors:** Liang, Okoli, Owusu, Pignatiello, Simpson, Zhang, M.; **Assistant Professors:** Liu, Zeng; **Adjunct Professors:** Benjamin, Chapman, Jack, Lewis, Moshir; **Adjunct Instructor:** Taylor

The mission of the Department of Industrial 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 IEs 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 designed to comply with the current Accreditation Board for Engineering and Technology (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.ie.eng.fsu.edu> 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 2060, CGS 2064, or CGS 3406.

Note: Neither CGS 2060 nor CGS 2064 satisfy the programming requirement for IE.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. ENC X101
2. ENC X102

3. MAC X311*
4. MAC X312*
5. MAC X313*
6. MAP X302
7. CHM X045/X045L*
8. PHY X048/X048L
9. PHY X049/X049L
10. Six (6) semester hours in humanities
11. Six (6) semester hours in social science
12. Three (3) additional semester hours in humanities or social science

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Engineering Core Courses

CGS 3406	Object Oriented Programming in C++
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)
MAP 3305	Engineering Math I (3)

Requirements for a Major in Industrial Engineering

It is the policy of the Department of Industrial 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 3390C	Manufacturing Processes and Materials Engineering (5)
EIN 4243	Ergonomics (3)
EIN 4312	Tool and Process Engineering (3)
EIN 4333	Design of Integrated Production Systems and Facilities Layout (3)
EIN 4621	Manufacturing Systems Engineering (3)
EIN 4891	Industrial Engineering Senior Design Project - Two semester sequence (6)
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	Mathematics Elective (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.

Grade Requirements

In addition to University and college requirements regarding grades and grade point average (GPA), the Department of Industrial 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 (1) 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). 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. 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. 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. An emphasis on 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. 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 1045C. Corequisite: EGN 2123. 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 (6) semester hours.

EIN 3949r. Cooperative Work Experience (0). (S/U grade only.) May be repeated six times.

EIN 4214. Occupational Safety and Hazard Control (3). Prerequisite: EIN 4243. The history of safety, safety in the workplace, government regulations, and methods of accident prevention.

EIN 4243. Ergonomics (3). Prerequisites: EGM 3512, EGN 3443, and EIN 3390C. 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. 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. 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. 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 will be discussed. Course will be supplemented by labs that will help students apply and evaluate the concepts studied in the classroom.

EIN 4621. Manufacturing Systems Engineering (3). Prerequisite: EIN 4312. 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 4891. Industrial Engineering Senior Design Project (3). Prerequisite: Must be in final year of degree program for this two-semester sequence. Students are expected to complete a large-scale design project involving the full implementation of the IPPEP process. Project includes a written report and requires the use of various design techniques and methods.

EIN 4934r. Honors Thesis (3). May be repeated to a maximum of six (6) semester hours.

EIN 4936r. Selected Topics in Industrial Engineering (3). Offered Fall and Spring semesters. Topics will be 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 (9) semester hours.

ESI 3312C. Operations Research I: Deterministic (3). Prerequisite: MAP 3305. The following topics will be treated 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: CGS 3408. 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. 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 MAP 3305. 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. 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 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).

INFORMATION TECHNOLOGY

COLLEGE OF INFORMATION

Professors: Bertot, Dennis, Dresang, C. Jørgensen, McClure, Riccardi, Wiegand; **Associate Professors:** Burke, G. Burnett, K. Burnett, Douglas, Everhart, Gross, Kazmer, Latham, Marty, **Assistant Professors:** Lustria, Ma, Mon, Stvilia, Tripp; **Other Personnel:** Barrager, Brooks, Chavez-Hernandez, Currim, Doffek, Drouillard, P. Jørgensen, Jowett, Koontz, Kotrla, Marks, Miner, Randeree, Randeree, Swaine; **Professors Emeriti:** Aaron, Blazek, Conaway, DePew, Hart, Hunt, Jahoda, Logan, Robbins, Summers, Trezza

The College of Information offers a Bachelor's degree in Information Technology, a Master's degree accredited by the American Library Association, a Specialist degree, and a Doctor of Philosophy (PhD) degree. Refer to the "College of Information" chapter of this *General Bulletin* or to the college's Web site at <http://www.ci.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 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, CGS 2064, or CGS 2100. Students are strongly encouraged to complete CGS 2064 if possible.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. COP XXXX (college-level programming course in C, C++, or Java)
2. CGS X060
3. MAC X105

Note: CGS 3408 (prerequisite: MAC 1140 or MAC 2233) may be substituted for COP XXXX.

Definition of Prefix

LIS—Library and Information Studies

Undergraduate Courses

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 3201. Research and Data Analysis for Information Professionals (3). This course provides students with an overview that emphasizes the user's perspective in the analysis of information needs and preferences. It also offers the fundamentals for a broad approach with a unifying structure to understanding human information-seeking behaviors.

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). Beginning beyond the computer literacy level, the course 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 (6) semester hours.

LIS 3949r. Cooperative Education Work Experience (0). (S/U grade only.) Prerequisite: Adviser permission. Paid work experience with a firm or agency to be determined on an individual basis.

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 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, LIS 3602, 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. The 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. The 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. The 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 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 4481. Managing Information Resources and Services (3). Prerequisites: Three of the following: LIS 3201, LIS 3267, LIS 3353, LIS 3602, 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 4481. Managing Information Resources and Services (3). Prerequisites: LIS 3201 and LIS 3353. This course offers an introduction to management science and to administrative issues as applied to information resources management, information centers, and information services. Emphasis is placed on management functions, concepts, and principles.

LIS 4482. Managing Networks and Telecommunications (3). Prerequisite: LIS 3353. This is a foundation course 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). Prerequisite: LIS 3602. 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). Prerequisites: LIS 3267 and LIS 3602. The 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 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 4905r. Directed Individual Study (1–3). (S/U grade only.) Guided studies for individual professional and subject needs. May be repeated to a maximum of six (6) semester hours.

LIS 4910. Information Technology Project (3). Prerequisite: Senior standing or instructor permission. Students work 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 3602, LIS 4276, and LIS 4351. This 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 (6) semester hours.

LIS 4938. Seminar in Information Studies (3). Prerequisite: Senior standing and three of the following: LIS 3232, LIS 3267, LIS 3342, LIS 3602, 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, LIS 3602, 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 (6) semester hours.

LIS 4941. Information Technology Practicum (3). This course provides a broad overview of the information technology used by the College of Information, including the college's local area network, the help desk, and the Mary Alice Hunt Learning Laboratories. This course is a practicum designed to provide experiential learning.

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 (9) semester hours. To graduate with honors in information studies, the student must complete six (6) semester hours of course work with at least a "B–" or better and an overall 3.2 GPA or higher.

Graduate Courses

- LIS 5008. Advanced Online Searching (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 5275. Usability Analysis (3).
- LIS 5313. Design and Production of Media Resources (3).
- LIS 5316. Information Graphics (3).
- LIS 5350. Design and Development of Computer Information Retrieval Systems (3).
- LIS 5362. Design and Production of Network Multimedia (3).
- LIS 5364. Web Site Development and Administration (3).
- LIS 5367. Advanced Web Applications (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 Information (3).
- LIS 5417. Introduction to Legal Resources (3).
- LIS 5418. Introduction to Medical Informatics (3).
- LIS 5426. Planning, Evaluation and Financial Management (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 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 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 5590. Museum Informatics (3).
- LIS 5602. Marketing of Library and Information Services (3).
- LIS 5603. Introduction to Information Services (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 5782. Database Management Systems (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 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).

For listings relating to graduate course work 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

Department of INTERIOR DESIGN

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Chair: Eric Wiedegreen; **Professor:** Wiedegreen; **Associate Professors:** Butler, Koenig, Munton, Myers, Ohazama, Waxman; **Assistant Professors:** Pable; Ransdell; **Adjunct Faculty:** Brunner, Camp, Harbin, Lynch

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 licensure (if required). A professional designer was defined by the national accrediting trust, the Council for Interior Design Accreditation (formerly FIDER), 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 research methods. There are active student chapters of the American Society of Interior Designers (ASID) and the International Interior Design Association (IIDA). The faculty includes members (allied, professional, and corporate) 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years. The following lists the common prerequisites or approved substitutions necessary for this degree program:

1. CGS 2060 or CGS 1060
2. CTE X431 or CTE X401
3. IND 3020 or IND X020 or any level two- and three-dimensional design course

Note: The program requires nine (9) semester hours of art, art history, or other art-related courses. These may be taken at any level and may be used to satisfy performing and fine art and/or humanities liberal studies requirements.

Degree Requirements

The undergraduate degree program consists of a minimum of seventy-two (72) semester hours of course work in interior design, including a minimum of six (6) semester hours of electives. 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, four (4) should be taken in textiles (CTE 1401), and three (3) should be taken in an art history course selected by the student. The department is prepared to offer suggestions about related courses. Refer to ‘The Liberal Studies Program’ in the “Undergraduate Degree Requirements” chapter of this *General Bulletin* for specific degree requirements. Contact the program career counselor for further information if needed.
2. Interior design studio courses: twenty-one (21) semester hours
3. Technical and graphic design courses: twenty-one (21) semester hours
4. Lecture-based support courses: fifteen (15) semester hours

5. History of interiors and architecture: nine (9) semester hours
6. Electives in interior design: six (6) 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. Four diagnostic courses are offered the first year of study (IND 1203, 1204, 1206, and 1406). In a portfolio review of work generated from these four classes held at the end of the Spring Term (called First Year Review), the top 40 students are chosen to move forward into the second year and above studies. Transfer students may take all four diagnostic courses during the Summer term, and then go through First Year Review (their numbers counting within the total 40 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.

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

CTE—Clothing and Textiles

IND—Interior Design

Undergraduate Courses

CTE 1401. Basic Textiles (3). Introduction to fibers, fabric structure, and finishes related to selection and care. Interrelationship between textile characteristics, properties, and end use.

IND 1203. Design Fundamentals I (3). 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. 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). 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). An introductory architectural drafting course encompassing structural information and technical skill building in orthographic, paraline, and perspective views.

IND 2300. Graphic Techniques I (3). Prerequisite: First year review. The 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. The 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 3003. Survey of Interior Design (3). For non-majors. 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 3205. Dimensional Design (3). Exercises and experiences in fundamental design problems, with application of basic elements and principles of design. Creative studio projects in two and three dimensional design building on the graphic and technical design process.

IND 3217. Interior Design Studio I (3). Introduction to the fundamental elements and principles of design, design process, problem solving, space planning, and specifications.

IND 3306. Interior Design Graphics I (3). Graphic presentation techniques, including 1-point and 2-point perspective refinement and computer application.

IND 3404. Technical Design I (3). Introduction to basic technical aspects of interior design. Emphasis on basic drafting skills, drawing types, visualizations, and other essential technical systems in interiors.

IND 3430. Lighting Fundamentals (3). Prerequisite: IND 3217. 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. 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 class 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 is a lecture course that 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. A studio course focusing 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 3525r. Portfolio Review I (2). (S/U grade only.) A faculty review of all student work during the first semester. All students must register for this course in their first semester of registration in design. The course is based upon a knowledge of interior finish materials and internship preparation involving development of a professional portfolio. Satisfactory completion is required for continuation in the program.

IND 3600r. Design Process I (3). (S/U grade only.) The process of creative problem solving with an emphasis on application to the design process, programming, and spatial analysis of space.

IND 3930r. Special Topics in Interior Design (1–3). May be repeated to a maximum of twelve (12) semester hours.

IND 4101r. History of Interiors I (3). The study of architecture, interior, and furniture design from antiquity through the Renaissance. May be repeated to a maximum of six (6) semester hours.

IND 4131r. History of Interiors II (3). The study of architecture, interior, and furniture design of the 17th and 18th centuries. May be repeated to a maximum of six (6) semester hours.

IND 4156r. Historical Restoration, Research and Documentation (3–6). The 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 (6) semester hours.

IND 4161r. History of Interiors III (3). The study of architecture, interior, and furniture design from the 19th century to the present. May be repeated to a maximum of six (6) semester hours.

IND 4218. Interior Design Studio II (3). Prerequisite: IND 3217. Intermediate projects in creative problem solving applied to both residential and contract interiors. Emphasis on graphic communication and presentation.

IND 4227r. Interior Design Studio III (3). Prerequisite: IND 4218. Advanced projects in creative problem solving with emphasis on programming, spatial analysis, and open-office systems.

IND 4228r. Interior Design Studio IV (3–6). Prerequisite: IND 4227. 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 (6) semester hours.

IND 4302. Interior Design Graphics II (3). Prerequisite: IND 3306. Pencil and ink techniques used in sketching, rendering, and design drawing, with an emphasis on schematics used in problem solving.

IND 4311r. Interior Design Graphics IV (1–3). Advanced specialized study of contemporary graphic communication techniques with emphasis on individual professional objectives. May be repeated to a maximum of six (6) semester hours.

IND 4315r. Interior Design Graphics III (3–6). Prerequisite: IND 4302. Marker and color pencil techniques used in interior delineation, with an emphasis on materials and the development of rapid rendering skills. May be repeated to a maximum of six (6) semester hours.

IND 4424. Technical Design II (3). Prerequisite: IND 3404. Lecture and studio course covering materials, construction, and working drawings. The focus is on structure, interior materials, millwork, finishes, hardware, and specifications. Drafting and working drawings are emphasized.

IND 4431r. Technical Design III (3). Prerequisite: IND 4424. Advanced technical aspects of interior design. Emphasis on lighting, electrical plans, reflected ceiling plans, measurements, and acoustics. May be repeated to a maximum of six (6) semester hours.

IND 4461r. Technical Design IV (3). Prerequisite: IND 4424. Computer-aided design and drafting (CADD). Emphasis on creation of interior design technical and presentation drawings using computers. May be repeated to a maximum of six (6) semester hours.

IND 4506. Business Practices (3). Prerequisite: IND 4227. This course involves advanced analysis and research into the theory and philosophy of professional interior design practice.

IND 4521. Portfolio Review II (1). (S/U grade only.) A faculty review of all student work during the third semester. All students must register for this course during the same semester they register for IND 4227 Interior Design Studio III. Continuation in the program is dependent upon a satisfactory grade in this review.

IND 4522. Portfolio Review III (1). (S/U grade only.) A faculty review of all student work after completion of the program. All students must register for this course at the same time as IND 4228 Interior Design Studio IV. The conferring of a degree in interior design is dependent upon a satisfactory grade in this review.

IND 4601. Sociological and Psychological Aspects of Design (3). 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 4602r. Design Process III (3). Advanced analysis and research into the theory, philosophy, and professional practice of interior design concepts. May be repeated to a maximum of six (6) semester hours.

IND 4603r. Design Process IV (3). Prerequisite: IND 4601. Advanced specialized study in creative problem solving and research of the design process with emphasis on individual professional objectives. May be repeated to a maximum of twelve (12) semester hours.

IND 4905r. Directed Individual Study (1–3). (S/U grade only.) Student has the opportunity 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 (12) semester hours.

IND 4947r. Internship (1–3). Student has the opportunity 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 (12) 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 (6) thesis or project hours to be counted toward elective credit. Upon meeting Florida State University's requirements for honors courses, the student will pursue independent creative and academic research as part of the undergraduate program.

Graduate Courses

IND 5005. Survey of Interior Design (5).

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 5175. History of Designers (2–4).

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 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 5476. Computer-Aided Design I (3).

IND 5477. Computer-Aided Design II (3).

IND 5479. Construction Systems (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 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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Program in INTERNATIONAL AFFAIRS

COLLEGE OF SOCIAL SCIENCES

Director: Lee Metcalf, Social Sciences; **Assistant Director:** Asbed Kotchikian, 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 (39) 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 course work 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 (3) participating departments. A minimum of twelve (12) semester hours, maximum of eighteen (18) 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 (18) semester hours must be above 2999. A maximum combined total of twelve (12) 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).

Students are advised to coordinate their course work 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 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://academic-guide.fsu.edu> for more information.

Business Option

A major in international affairs with an emphasis in business may be selected. This option combines regular international affairs courses with a planned series of business courses with a multinational focus. Students interested in pursuing this option must have **prior approval** of the director of international affairs. Students are registered in the business courses on a **seats available basis**. For this reason, approval to pursue the business option must be re-evaluated each semester.

Students pursuing the business option select a minimum of twenty-one (21) semester hours from the approved list for the major, excluding courses from the department of economics. The remaining courses come from a pre-selected sequence of business courses in one of two tracks (marketing or finance). ECO 2013 and ECO 2023 are required prerequisite courses for the emphasis. The finance track requires an additional prerequisite course, ACG 2021. Students should seek advising, declare intent, and have approval reevaluated each semester by the international affairs program adviser in 211 Bellamy.

Study Abroad

Students majoring in international affairs are strongly encouraged to participate in the program’s summer curriculum offered in Europe. For more information about the European summer program for international affairs majors, contact the Office of International Programs.

Students should consult with the international affairs 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 Program in International Affairs encourages students to take advantage of internships with agencies and businesses in Florida’s capital that work in the international arena. International affairs students can also take advantage of internships in Washington, D.C. through the Washington Center Program, and in The Republic of Panama through FSU–Panama. 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. All application materials 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*.

Double Majors

Majors in international affairs may also major in disciplines represented by the participating departments. These double majors, however, may only count nine (9) semester hours of course work toward both of their majors. For example, a double major in international affairs and economics may count ECO 4704, 4713, and ECS 4013 toward a major in international affairs and a major in economics. Any additional economics courses that are counted toward the international affairs major (up to a maximum of eighteen [18] semester hours), however, must **not** also be counted toward the economics major.

Requirements for a Minor in International Affairs

A minor consists of eighteen (18) semester hours beyond the liberal studies requirements with grades of “C-” or better. Work must be taken in at least three (3) 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 (9) of the eighteen (18) semester hours must be numbered above 2999.

A maximum of six (6) semester hours of directed individual studies or internship credits may apply to the minor.

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.

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 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

- ECO 2000 Introduction to Economics (3)
 ECO 2013 Principles of Macroeconomics (3)
 ECO 2023 Principles of Microeconomics (3)
 ECO 3303 History of Economic Ideas (3)
 ECO 3622 Growth of American Economy (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 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)
 GEO 1331 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 4471 Political Geography (3)
 GEO 4450 Medical Geography (3)
 GEO 4480 Military Geography (3)
 GEO 4602 Urban 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 4510 United States Foreign Relations to 1900 (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 (12) semester hours of advanced-level course work in one language, including two courses in culture and/or literature.

Philosophy

- PHI 2010 Introduction to Philosophy (3)
 PHI 2620 Environmental Ethics (3)
 PHI 3420 Philosophy of the Social Sciences (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

- CPO 2002 Introduction to Comparative Government and Politics (3)
 CPO 3034 Politics of Developing Areas (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 3512 Political Development in East Asia (3)
 CPO 3520 Emerging Democracies in Northeast Asia: Korea, Taiwan, Japan (3)
 CPO 3541 Politics of China (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 3771 Domestic Politics and 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)
 PAD 3003 Public Administration in American Society (3)
 PHM 3331r Modern Political Thought (3)
 PHM 4340r Contemporary Political Thought (3)
 POT 3003 Introduction to Political Thought (3)

Religion

- REL 1300 Introduction to World Religions (3)
 REL 2315 Religions of South Asia (3)
 REL 2350 Religions of East Asia (3)
 REL 3170 Religious Ethics and Moral Problems (3)
 REL 3194 The Holocaust (3)
 REL 3335 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 3505 The Christian Tradition (3)
 REL 3607 The Jewish Tradition (3)
 REL 4304 Undergraduate History of Religions Seminar (3)
 REL 4333 Modern Hinduism (3)
 REL 4359r Special Topics in Asian Religions (3)
 REL 4564 Modern Roman Catholicism (3)
 REL 4613 Modern Judaism (3)

Sociology

- SYD 3020 Population and Society (3)
 SYG 1000 Introductory Sociology (3)
 SYG 2010 Social Problems (3)
 SYO 3530 Social Classes and Inequality (3)
 SYO 4300 Sociology of Politics (3)
 SYO 4550 Comparative Sociology (3)
 SYP 3000 Social Psychology of Groups (3)
 SYP 3454 Global Justice Movements (3)

Urban and Regional Planning

- 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 3932r. Special Topics in International Affairs (1–3). Topics vary. May be repeated as topics change to a maximum of nine (9) semester hours.

INR 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

INR 4937r. Honors Work (1–6). May be repeated to a maximum of nine (9) semester hours.

INR 4941r. Internship (3–6). (S/U grade only.) Prerequisites: Fifteen (15) semester hours beyond liberal studies, a minimum cumulative GPA of 3.0, and instructor permission one semester in advance. Internship placements in approved agencies and organizations. Designed to provide practical experience in the area of international affairs. May be repeated to a maximum of six (6) semester hours.

PAX 3930r. Special Topics in Peace Studies (3). Topics vary. May be repeated to a maximum of fifteen (15) 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 course work 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 ITALIAN STUDIES FLORENCE CENTER MINOR

COLLEGE OF ARTS AND SCIENCES

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 (15) semester hours in courses approved by the Italian Studies Florence Center Minor Coordinating Committee. **At least nine (9) semester hours of approved courses must be taken while the student is in residence at the Florence Study Center.** A maximum of nine (9) 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 (3) 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 on 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)
- ITW 3391r Italian Cinema (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)

Italian courses at the 2000 level or above

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 Workshop (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, *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 ARTS AND SCIENCES

Coordinator: Maricarmen Martinez (Interdisciplinary Humanities)

Cooperating Colleges and Departments: Anthropology, Art History, Business, Communication, Economics, English, Geography, History, Humanities, Modern Languages and Linguistics, Music, Philosophy, Political Science, Religion, Sociology, Theatre, and Urban and Regional Planning

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 and several concentrations 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.

Depending on the areas of emphasis selected and the complementary major or minor, 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.

For more information, please refer to <http://www.fsu.edu/~lacs>.

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

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

The major consists of thirty (30) semester hours beyond the liberal studies requirement to be selected from the approved list of courses taught by the core and affiliated faculty. At least three (3) disciplines must be represented in those courses selected. At least twelve (12) of the total major hours must be at or above the 4000 level. Students also must complete the initial sequence or equivalent of Spanish, Portuguese, or another relevant language approved by the adviser. (This also may be used to satisfy the language requirement of the College of Arts and Sciences.)

Note: A grade of "C-" or better must be earned in a course in order for it to count toward a major or minor in Latin American and Caribbean studies.

Required Minor or Second Major

Students in the major should select a minor or second major after consultation with their adviser; normally it should be in one of the participating departments or colleges. Consult the specific department or college concerning its requirements. A minor is not required if the student is pursuing a second major.

Admission

To be admitted into the program, students must complete at least fifty-two (52) semester hours with an adjusted GPA of 2.0 on all University course work, and at least eighteen (18) of the required thirty-six (36) total semester hours in liberal studies, including freshman English and mathematics.

Honors in the Major

The program offers honors in the major. For requirements and other information, refer to the "University Honors Office and Honor Societies" chapter in this *General Bulletin*.

Minor in Latin American and Caribbean Studies

The program offers a four-course minor in Latin American and Caribbean studies for students majoring in another discipline. The minor is designed for those students who wish to concentrate their work in a major discipline yet maintain a Latin American concentration.

Approved Courses

The major coursework consists of thirty (30) semester hours (beyond the liberal studies requirement) that are to be selected from, but not necessarily limited to, courses listed below. The following courses are subject to change depending on availability.

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-Columbian 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)

Art History

- ARH 3800r Methods of Art Criticism (3)*
- ARH 4523 West African Art and the Diaspora: Brazil, Haiti, the United States and Suriname (3)*
- ARH 4933 Special Topics in Art History (3)

Business

- FIN 3244 Financial Markets, Institutions, and International Finance Systems (3)*
- FIN 4604 Multinational Financial Management (3)*
- MAN 3600 Multinational Business Operations (3)*
- MAN 4605 Cross-Cultural Management (3)*
- MAR 4156 Multinational Marketing (3)*

Communication

- ADV 3410 Hispanic Marketing Communication (3)

Economics

- ECO 4704 International Trade (3)*
- ECO 4713 International Finance (3)*
- ECS 4013 Economics of Development (3)

English

- AML 3630 Latino/a Literature in English (3)
- AML 3682 American Multi-Ethnic Literature (3)*
- AML 4680r Studies in Ethnic Literature (3)*

Geography

- GEA 4405 Latin America (3)

History

- AMH 4511 Twentieth Century United States Foreign Relations (3)*
- HIS 4930 Special Topics in 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)

Humanities

- HUM 3321 Multicultural Dimensions of Film and 20th Century Culture (3)*
- HUM 3324 Cultural Imperialism (3)*
- HUM 3930 Humanities: Special Topics (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)

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 3375 Afro-Caribbean Religions (3)
 REL 4564 Modern Roman Catholicism (3)*

Sociology

- SYD 4700 Race and Minority Group Relations (3)*
 SYO 3530 Social Class and Inequality (3)*
 SYO 4550 Comparative Sociology (3)*
 SYP 3400 Social Change (3)*

Urban and Regional Planning

- URP 4402 Sustainable Development Planning in the Americas (3)

Note: All courses listed above that are marked with an asterisk (*) and additional special topics courses and senior seminars may count toward either a major or minor in Latin American and Caribbean studies if the content deals in part with Latin America and the Caribbean and assigned research papers are written on issues of the region. Students are advised to keep syllabi and research papers from these courses for verification purposes.

Note: Descriptions of the above courses may be found under the individual departments in which they are taught.

Definition of Prefix

LAS—Latin American Studies

Undergraduate Courses

LAS 4905r. Directed Individual Study (3). May be repeated to a maximum of six (6) semester hours when content varies. Can be repeated within same semester.

LAS 4935r. Honors Work (3). Open to participants in the University and department honors program. Participation in a supervised research problem and the production of a paper describing the results of that work. May be repeated to a maximum of nine (9) semester hours.

LAS4940r. Internship in Latin American and Caribbean Studies (1–6). Prerequisites: Completion of sixty (60) semester hours, completion of fifteen (15) semester hours in LACS, an overall or LACS GPA of 3.0, and advisor permission one semester in advance. Internships in approved organizations provide 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 (12) semester hours.

LAW

COLLEGE OF LAW

Professors: Atkinson, Banoff, Christie, Craig, Dodge, Gey, Griffith, Hirsch, Logan, Markell, Polsky, Rossi, Ruhl, Seidenfeld, Shepherd, Stern, Utset, Weidner; **Associate Professors:** Falaschetti, Klick, Lee, Powell; **Assistant Professors:** Alces, Bridgeman, de Larena, Galle, Luke, Markel, Priester, Wexler; **Associates in Law:** Annino, Gertz, Krieger, LaVia, Stone, Wolf; **Assistants in Law:** Blenkhorn, Bodell; **Visiting Assistants in Law:** Matthews, Taylor; **Edward Ball Eminent Scholar:** Abbott; **Tobias Simon Eminent Scholar:** Tesón; **Professors Emeriti:** Ehrhardt, Dickson, George, Kennedy, Larson, Morse, Oeltjen, Schroeder, Southerland, Slagle, VanDerCreek, Van Doren, Vinson, Yetter

The College of Law prides itself on providing a superb legal education with a strong liberal arts orientation and creating a culture in which students and faculty can study and learn in an atmosphere of collegiality. The College of Law values a close working relationship among students and faculty. In the classroom, faculty members integrate into the study of law insights from such diverse disciplines as history, philosophy, psychology, sociology, economics and finance. Outside of the classroom, the faculty members actively work with students on projects such as law journal manuscripts, moot court and mock trial competitions, and directed independent studies.

For further details of degree requirements, plus a description of the college and its opportunities, refer to the College of Law's Web site at <http://www.law.fsu.edu>.

Definition of Prefix

LAW—Law

Graduate Courses

- LAW 5000. Contracts I (2–3).
 LAW 5001. Contracts II (2–3).
 LAW 5100. Criminal Law and Procedure (4).
 LAW 5300. Civil Procedure (4).
 LAW 5400. Property I (2–3).
 LAW 5402. Property II (2–3).
 LAW 5501. Constitutional Law I (3).
 LAW 5502. Constitutional Law II (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).
 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 6235. Women and the Law (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 6420r. 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 (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. Worker's Compensation (2–3).
 LAW 6720r. Health Law and Policy (2–3).
 LAW 6765. Fundamental Financial Concepts (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 7245. Seminar in Law and Literature (2). (S/U grade only.)
 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 7335. Evidence Seminar (2).
 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 7910r. Directed Individual Study (1–5). (S/U grade only.)
 LAW 7915. Legislative Policy Studies (1–3).
 LAW 7930r. College of Law Special Topics (1–5).
 LAW 7940r. Clinical Orientation (1–2). (S/U grade only.)
 LAW 7945r. Practicum (1). (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.)

Program in LAW AND SOCIETY

COLLEGE OF SOCIAL SCIENCES

Director: Robert E. Crew, Jr., Office of the Dean, College of Social Sciences

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 (4) 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 (12) 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 (12) 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.

LEISURE SERVICES AND STUDIES:
see Sport Management, Recreation Management and Physical Education

Interdepartmental LINGUISTICS MINORS

COLLEGE OF ARTS AND SCIENCES

Curriculum Committee: Lara Reglero, Gretchen Sunderman, Carolina Gonzalez, and Michael Leeser (Modern Languages and 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.

Students (both undergraduate and graduate) who wish to minor in linguistics should speak with the linguistics adviser, who will 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 (12) semester hours from the linguistics courses listed below; two of these must be core courses.

Core Courses

LIN 3041, 4030, 4040, 4512 or 4905

Other Courses

ANT 4640; LIN 3710, 4930, 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 (15) semester hours from the linguistics courses listed below; two of these must be core courses.

Core Courses

LIN 5035 or 5045, 5510

Other Courses

LIN 5772, 5908r, 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

Chair: Annette L. Ranft; **Professors:** Combs, Ferris, Fiorito, Hochwarter, Lamont, Martinko, Osteryoung, Perrewé, Stepina; **Associate Professors:** Douglas, Matherly, Ranft; **Assistant Professors:** Holcomb, Humphrey, Van Iddekinge; **Research Associates in Management:** O'Connor, Ryals, Simmons, Trammel; **Associate in Management:** Diez-Arguelles; **Assistants in Management:** Blass, Presnell; **Visiting Assistants in Management:** Decker, Newton; **Frances Eppe Professor of Management:** Ferris; **Haywood and Betty Taylor Eminent Scholar in Business Administration:** Perrewe; **J. Frank Dame Professor of Management:** Fiorito; **Carl DeSantis Professor of Business Administration:** Lamont; **Bank of America Professor of Business Administration:** Martinko; **Jim Moran Professor of Entrepreneurship:** Osteryoung; **Jim Moran Professors of Business Administration:** Hochwarter, Ranft

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.

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 and human resources management satisfy this requirement by earning a grade of "C-" or higher in CGS 2100.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X001 and ACG X011
2. ACG X071
3. CGS X100*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Requirements for a Major in General 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) the general business core requirements for general management majors; 4) the general business breadth requirements for general management majors; and 5) the major area requirements for general management majors.

Note: To be eligible to pursue a general management major, students must meet the admission requirements of the College of Business. These admission requirements are described in the "College of Business" chapter of this *General Bulletin*.

General Business Core Requirements

All general management majors must complete the following five (5) 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 general management majors must complete five (5) courses as follows. Each course selected must be completed with a grade of "C-" or better.

MAN	4720	Strategic Management and Business Policy (3)
Plus four (4) 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	3504	Services Operations Management (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 general management majors must complete six (6) 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 (3) 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)

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) the general business core requirements for human resource management majors; 4) the general business breadth requirements for human resource management majors; and 5) 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 of 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 (5) 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 human resource management majors must complete five (5) courses as follows. Each course selected must be completed with a grade of "C-" or better.

MAN	4720	Strategic Management and Business Policy (3)
Plus four (4) 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	3504	Services Operations Management (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 (5) 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 4350 Training and Development (3)
MAN 4390 Current Issues in Human Resource Management (3)

Plus one (1) elective from the following list of courses:

- MAN 4401 Management of Labor and Industrial Relations (3)
MAN 4441 Negotiation and Conflict Management (3)
MAN 4605 Cross Cultural Management (3)

Definition of Prefixes

GEB—General Business

MAN—Management

Undergraduate Courses

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. The course is designed to help business students develop the writing, verbal, and interpersonal skills that are necessary for a successful business career.

MAN 3025. Concepts of Management (3). Introduction to 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). 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.)

MAN 4143. Contemporary Leadership Challenges (3). Prerequisite: MAN 3240. 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. Analysis of concepts and processes for effecting change in organizations.

MAN 4301. Human Resource Management (3). Prerequisite: MAN 3240. 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. The 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. The 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. The 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. 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. 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. A focus 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. 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. 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. Selected topics in international management will vary depending upon the instructor for the course. Topics such as cultural influences on management, international personnel management, and other related management topics will be discussed. May be repeated to a maximum of six (6) semester hours.

MAN 4701. Business and Society (3). Prerequisite: MAN 3240. 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. Case analysis of business and management problems for the formulation of managerial strategies and policies.

MAN 4752. Competitive Dynamics (3). Prerequisite: MAN 4720. 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 (9) semester hours.

MAN 4930r. Special Studies in Business (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of nine (9) semester hours as topics vary.

MAN 4941. Field Study in Management (1–3). (S/U grade only.) Prerequisite: Instructor permission. Provides student 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 (9) semester hours. Six (6) semester hours of thesis are required to complete honors in the major.

Graduate Courses

MAN 5245. Organizational Behavior (4).

MAN 5305. Personnel/Human Resource Management (3).

MAN 5721. Strategy and Business Policy (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 course work for thesis, dissertation, and master’s and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of MANAGEMENT INFORMATION SYSTEMS

COLLEGE OF BUSINESS

Chair: David B. Paradice; **Professors:** George, Paradice; **Associate Professor:** Wasko; **Assistant Professors:** Armstrong, Bush, Carter, Tang; **Associate in Management Information Systems:** Payne; **Thomas L. Williams Jr. Eminent Scholar:** George; **Sprint Professor of Management Information Systems:** Paradice

The Department of Management Information Systems is the youngest department in the College of Business. It was formed to increase the emphasis on technological education in the business curriculum and to consolidate the teaching of management information systems into one unit. The purpose of the curriculum 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.

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 management information systems satisfy this requirement by earning a grade of “C–” or higher in CGS 2100.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021, or ACG X001 and ACG X011
2. ACG X071
3. CGS X100*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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) the general business core requirements for management information systems majors; 4) the general business breadth requirements for management information systems majors; and 5) 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 of 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 (5) 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 five (5) courses as follows. Each course selected must be completed with a grade of “C–” or better.

- | | |
|-----------------|--|
| ISM 3003 | Foundations of Management Information Systems (3) |
| MAN 4720 | Strategic Management and Business Policy (3) |
| QMB 3200 | Quantitative Methods for Business Decisions (3) |

Plus two (2) electives from the following list of courses:

- | | |
|-----------------|---|
| FIN 3244 | Financial Markets, Institutions, and International Finance Systems (3) |
| HFT 3240 | Managing Service Organizations (3) |
| MAN 3504 | Services Operations Management (3) |
| MAN 3600 | Multinational Business Operations (3) |
| MAR 3400 | Professional Selling (3) |
| REE 3043 | Real Estate (3) |
| RMI 3011 | Risk Management/Insurance (3) |

Major Area Requirements

At the time of this printing, all management information systems (MIS) majors must complete ten (10) 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 class. In all cases, prerequisites to courses must be completed with a grade of “C–” or better before subsequent courses may be entered.

- | | |
|-----------------|--|
| CGS 3066 | Introduction to Internet Technology (3) |
| CGS 4404 | Advanced Application Development (3) |
| ISM 4113 | Management Information Systems Analysis and Design (3) |
| ISM 4117 | Decision Support and Expert Systems Management (3) |
| ISM 4212 | Information for Operating Control and Data Management (3) |
| ISM 4220 | Information and Communications Systems Management (3) |
| ISM 4300 | Technology Management (3) |
| ISM 4314 | Project Management (3) |

Two elective courses from the approved list available in the College of Business Undergraduate Programs Office and the MIS Department Office.

Definition of Prefixes

CGS—Computer General Studies

ISM—Information Systems Management

QMB—Quantitative Methods in Business

Undergraduate Courses

CGS 3403. Introduction to COBOL Programming for Business (3). Prerequisite: CGS 2100. Study of the use of COBOL in business and government organizations. Specific programs are developed to solve typical management and data processing problems. Structured approaches to problems and design solutions are discussed in detail. Also taught by the Department of Computer Science.

CGS 4404. Advanced Application Development (3). Prerequisites: CGS 3066. 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.

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. 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). Prerequisite: ISM 3003. 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. 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. 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. An introduction to the design, operation, and management of telecommunication systems including electronic data interchange, office support, transborder information flow, and management support for networking. For MIS majors only.

ISM 4300. Technology Management (3). Prerequisites: ISM 4212 and ISM 4220. 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 4905r. Directed Individual Study (1–3). May be repeated to twelve (12) 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 (9) 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 (3) hours credit allowed in a semester. May be repeated to a maximum of six (6) semester hours.

ISM 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine (9) semester hours. Six (6) semester hours of thesis are required to complete honors in the major.

QMB 3200. Quantitative Methods for Business Decisions (3). Prerequisites: CGS 2100, MAC 2233, and STA 2023. An examination of classical and modern decision-making techniques based on probabilistic concepts. Emphasizes applications to all areas of business.

Graduate Courses

- 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 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 5428.** Knowledge Management and Business Intelligence (3).
- ISM 5475.** Client/Server Applications (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).

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of MARKETING

COLLEGE OF BUSINESS

Chair: Michael Hartline; **Professors:** Brusco, Cronin, Downs, Flynn, Giunipero, Goldsmith, Hofacker; **Associate Professors:** Brady, Hartline, Knight; **Assistant Professors:** Bonney, Kim, Lee, Smith; **Associate in Marketing:** Larsen; **Assistant in Marketing:** Pallentino; **John R. Kerr Research Chair in Marketing:** Cronin; **Richard M. Baker Professor of Marketing:** Goldsmith; **Carl DeSantis Professor of Business Administration:** Brady; **Charles A. Bruning Professor of Business Administration:** Hartline; **Synovus Professor of Business Administration:** Brusco

The marketing curriculum is designed to prepare students for successful careers in the many phases of marketing in both the public and private sectors. Courses are oriented toward: 1) problem solving and management decision making; 2) providing basic knowledge of the tools, types of organization, and institutions utilized in performing the various marketing functions; and 3) developing the ability to plan and implement marketing policy, strategy, and procedures.

The total curriculum is designed to impart knowledge and competence in marketing that will enable graduates to progress well in the early stages of their careers; develop the ability to analyze, plan, organize, coordinate, motivate, and control; think creatively; communicate effectively; and gain broad perspectives essential to the attainment of ownership or 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 satisfy this requirement by earning a grade of “C–” or higher in CGS 2100.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021, or ACG X001 and ACG X011
2. ACG X071
3. CGS X100*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

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) the general business core requirements for marketing majors; 4) the general business breadth requirements for marketing majors; and 5) the major area requirements for marketing majors.

Note: To be eligible to pursue a marketing major, students must meet the admission requirements of 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 (5) 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 five (5) 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 major area requirements.

- | | | |
|-----|------|---|
| ISM | 3003 | Foundations of Management Information Systems (3) |
| MAN | 3504 | Services Operations Management (3) |
| QMB | 3200 | Quantitative Methods for Business Decisions (3) |
- Plus two (2) electives 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 seven (7) 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 major area requirements and part of the general business breadth requirements.

- | | | |
|-----|------|--|
| MAR | 3503 | Consumer Behavior (3) |
| MAR | 4613 | Marketing Research (3) |
| QMB | 4700 | Operations Research for Managerial Decisions (3) |
- Plus four (4) electives from the following list of courses (electives may be chosen to complete one of the two concentrations described below):
- | | | |
|-----|-------|---|
| 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 | 4403 | Sales Management (3) |
| MAR | 4453 | Industrial Marketing (3) |
| MAR | 4462 | Seminar in Purchasing/Materials Management (3) |
| MAR | 4614 | Advanced Marketing Research (3) |
| MAR | 4721 | Electronic Marketing (3) |
| MAR | 4831 | Price and Product Management (3) |
| MAR | 4841 | Services Marketing (3) |
| MAR | 4860 | Customer Relationship Management (3) |
| MAR | 4939r | Marketing Seminar (3) |

Students may select their marketing electives to complete one of the following concentrations:

Service Operations. Take MAR 4841 plus any three (3) other marketing electives from the list above.

Sales and Customer Relationship Management. Take MAR 4403 and MAR 4860 plus any two (2) other marketing electives from the list above.

Definition of Prefixes

- GEB—General Business
MAN—Management
MAR—Marketing
QMB—Quantitative Methods in Business

Undergraduate Courses

MAN 3504. Services Operations Management (3). Prerequisites: CGS 2100 and QMB 3200. 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. 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. Intensive training in the rudiments of retail operations.

MAR 3323. Promotional Management (3). Prerequisite: MAR 3023. Focuses on issues related to management of promotional tools including advertising, personal selling, sales promotion, public relations, and publicity.

MAR 3400. Professional Selling (3). Prerequisite: 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. Introduction to the concepts, principles, and techniques of purchasing physical resources for all types of organizations.

MAR 3503. Consumer Behavior (3). Prerequisite: MAR 3023. 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. 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). Prerequisites: MAR 3023 and QMB 4700. 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). Prerequisite: MAR 3023 and MAR 3400. Exposes the student to concepts, activities, and analysis pertaining to sales and the management of the sales force.

MAR 4462. Seminar in Purchasing/Materials Management (3). Prerequisite: MAR 3461. 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. Examines marketing research as an information-providing activity for the purpose of management decision making.

MAR 4614. Advanced Marketing Research (3). Prerequisite: MAR 4613. Provides experience in designing and conducting actual marketing research studies.

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 (12) semester hours.

MAR 4939r. Marketing Seminar (3). Prerequisite: MAR 3023. Various topics taught by different instructors each semester. May be repeated to a maximum of six (6) semester hours.

MAR 4941. Internship in Marketing (1–3). (S/U grade only.) Prerequisites: MAR 3023 and MAN 3010. Consent of instructor required. Provides student with on-the-job experience in major area.

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 (6) semester hours. Six (6) semester hours of thesis are required to complete honors in the major.

QMB 4700. Operations Research for Managerial Decisions (3). Prerequisite: MAN 3504. Quantitative analysis for management decisions involving such topics as linear programming, inventory control, queuing, and project management.

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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Graduate Courses

GEB 6904r. Readings for Examination (1–12). (S/U grade only.)

MAN 5501. Operations Management (3).

MAN 5601. Multinational Business Operations (3).

MAN 6930. Doctoral Seminar in Productive Systems Management: Planning and Control (3).

MAN 6931. Doctoral Seminar in Productive Systems Management: Strategy and Design (3).

MAR 5409. Business-to-Business Sales and Marketing (3).

MAR 5465. Purchasing and Supply Chain Management (3).

MAR 5505. Consumer Behavior (3).

MAR 5726. Electronic Business in Supply Chain Marketing (3).

MAR 5816. Marketing Strategy (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 5971r. Thesis (3–6). (S/U grade only.)

MAR 6575. Seminar in Marketing: Selected Topics in Consumer Behavior (3).

MAR 6636. Quantitative Methods I: Measurement, Scaling, and Choice (3).

Department of MATHEMATICS

COLLEGE OF ARTS AND SCIENCES

Chair: Philip L. Bowers; **Associate Chair:** Bellenot; **Associate Chair for Graduate Studies:** Case; **Director of Basic Mathematics:** Stiles; **Director of Applied Mathematics:** Kopriva; **Director of Financial Mathematics:** Okten; **Director of Biomedical Mathematics:** Quine; **Director of Pure Mathematics:** Hironaka; **Co-Directors of Actuarial Science:** Case, Paris; **Professors:** Aluffi, Bellenot, P. Bowers, Case, Erlebacher, S. Fenley, Gunzburger, Heil, Huckaba, Hussaini, Klassen, Kopriva, Marcolli, Mesterton-Gibbons, Mio, Navon, Nichols, Oberlin, Peterson, Quine, Seppala, Tam, Q. Wang, Xm Wang; **Associate Professors:** Aldrovondi, Bertram, Hironaka, Hurdal, Kercheval, Magnan, Nolder, Okten, Stiles, Sussman, Van Hoesj; **Assistant Professors:** Agashe, Cogan, Ewald, Goncharov, Horne, Kim, Musliami, Tempone, Xq Wang; **Research Associates in Mathematics:** Blackwelder, Boyd, Wooland; **Associates in Mathematics:** Dodaro, Everage, Grigorian, Kirby, Kutter, Wooland; **Assistants in Mathematics:** K. Bowers, Paris; **Professors Emeriti:** Blumsack, Bryant, Gilmer, Heerema, Howard, Hunter, Kreimer, Mott, Summers, Wright; **Courtesy Professors:** Banks, Beaumont, Chen, M. Fenley, Gallivan, Gan, Mascagni, Tabak, Zeichiedrich

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 four majors leading to the Bachelor's degree: applied and computational mathematics, pure mathematics, biomedical mathematics, and actuarial science (please consult the "Programs 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, biomedical mathematics, 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 (12) 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 five grades below "C-" (including grades of U) in mathematics 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.

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 mathematics, applied mathematics and biomedical mathematics satisfy this requirement by earning a grade of "C-" or higher in CGS 3406 or COP 3014. Undergraduate majors in actuarial science satisfy the same requirement and also earn a grade of "C-" or higher in CGS 3406.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for these University degree programs. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for each degree program:

Mathematics

1. Three (3) semester hours of COP XXXX (computer language: Pascal, FORTRAN, C, C+ or C++)
2. MAC X311
3. MAC X312
4. MAC X313
5. Successful completion of two laboratory-based science courses (eight [8] semester hours) for respective science majors: BSC XXXX/XXXXL or CHM XXXX/XXXXL or PHY XXXX/XXXXL

Actuarial Science

1. Three (3) semester hours of COP XXXX (computer language: FORTRAN, C, C+, C++, or Pascal)
2. MAC X311
3. MAC X312
4. MAC X313
5. ECO X013
6. ECO X023

Students are encouraged to complete the courses ACG X021, MAP X302, and STA X122 in their first two years.

A grade of "C-" or better is required in all courses to be counted toward the degrees.

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 Course 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.

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 three mathematics majors (pure, applied/computational, or biomedical) 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.

Requirements for a Minor in Mathematics

A minor in mathematics consists of twelve (12) 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 CGS 3406 or COP 3014 to satisfy both those requirements, although the former may be shown by courses in C, C++, FORTRAN, Java, or another approved higher-level language. Successful completion of MAD 3703 will also suffice. STA 4321 is required. Representative requirements for the three 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 Course Prerequisites and the courses above, the student will complete PHY 2048C or some other approved calculus-based natural or social science course 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, 4331, 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 Course 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 Biomedical Mathematics. This new 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 Course Prerequisites, the student will complete collateral science courses including BSC 2010, 2010L, 2011; CHM 1045C, 1045L, 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 upper-division mathematics courses from a list of approved courses. Students should consult the departmental office or the Web site for exact requirements.

Baccalaureate Degree in Actuarial Science

In addition to the State of Florida Common Course Prerequisites, there are interdisciplinary degree requirements. Representative requirements include: MAP 4170, 4175; CGS 3406 or COP 3014 or equivalent; and four (4) 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 (6) courses from three course groups. Students must complete:

1. Two (2) courses chosen from MAP 2302, MAP 4176, and MAS 3105
2. At least one (1) course chosen from MAA 4224, 4226, 4227; MAD 3703; MAP 4341; MAS 4106; STA 4203, 4322, 4853
3. At least one (1) 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 from MGF 3301 or MAD 2104 or other proof-based courses. 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.

MAA 4226, 4227. Advanced Calculus I, II (3, 3). Prerequisites: MAC 2313, MAS 3105, and prior experience with mathematical proofs from MGF 3301 or MAD 2104 or other proof-based courses. Functions, sequences, limits; continuity, uniform continuity; differentiation; integration; convergence, uniform convergence. For strong students with adviser approval only.

MAA 4402. Complex Variables (3). Prerequisite: MAC 2313. Analytic functions, Cauchy-Riemann conditions; complex integration, Cauchy's theorem and integral formula; power series, analytic continuation, Riemann surfaces; residues and applications; conformal mapping.

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. 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. 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. The 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. Credit must be reduced to four (4) hours for students who took MAC 1141 and received a grade of "C-" or better. This 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.

MAC 2233. Calculus for Business (3). Prerequisites: Suitable mathematics examination placement score or MAC 1105 or MAC 1140 or the former MAC 1141. Not open to students who have credit in MAC 2311 with a grade of "C-" or better. (See Credit Note 2 above.) 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.

MAC 2311. Calculus with Analytic Geometry I (4). Prerequisites: MAC 1147; or MAC 1140 and MAC 1114; or suitable mathematics examination placement score. 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; antiderivatives; 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. 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. 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 1140. Credit is not also allowed for MGF 3301. Mathematical techniques of definition and proof, with application to discrete domains; formal logic; elementary combinatorics; digraphs and relations; graphs, trees, and multigraphs; applications.

MAD 3105. Discrete Mathematics II (3). Prerequisite: MAD 2104 or MGF 3301. Techniques of definition and logical argument as applied in several areas of discrete mathematics; counting techniques, permutations, combinations; recurrence relations, graph and network algorithms.

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 PASCAL. 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. Approximation theory, numerical solution of nonlinear systems, boundary value problems and initial value problems for ordinary differential equations.

MAE 4813. Number Systems (4). Principles and operations related to finite and infinite subsets of the real numbers are investigated, compared, and contrasted with an emphasis on understanding. Not open to students majoring in mathematics.

MAE 4815. Elements of Algebra (3). The algebra of sets and the algebra of real numbers are studied. Concepts rather than rote manipulations are emphasized. Not open to students majoring in mathematics.

MAE 4816. Elements of Geometry (3). A variety of traditional and innovative geometric topics are explored via a hands on approach. Topics include congruence, similarity, Pythagorean triples, and areas of curvilinear figures. Not open to students majoring in mathematics.

MAE 4874. Fundamental Principles of Algebra (2). Prerequisites: A 2000-level course in mathematics or two years experience in teaching secondary school mathematics and not open to students majoring in mathematics.

MAE 4878. 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.

MAP 2302. Ordinary Differential Equations (3). Prerequisite: MAC 2312. Students with a grade of "B-" or less in MAC 2312 should take MAC 2313 before MAP 2302. Not open to students having credit in MAP 3305. Differential equations of the first order, linear equations of the second, systems of first order equations, power series solutions, Laplace transforms, numerical methods.

MAP 2480. Biocalculus Computer Laboratory (1). Corequisite: MAC 2311. A computer laboratory that applies calculus methods to solve problems in biology, medicine, and physiology.

MAP 3305. Engineering Mathematics I (3). Prerequisite: MAC 2313 or MAC 2312 with a grade of "B-" or better. Not open to students having credit in MAP 2302. Ordinary differential equations, Laplace transform. Linear algebra: determinants, matrices, eigenvalues, and eigenvectors.

MAP 3306. Engineering Mathematics II (3). Prerequisites: MAC 2313 and MAP 2302 or MAP 3305. Not open to students having credit in MAP 4341. This course offers Fourier series and Fourier transforms, introduction to partial differential equations.

MAP 4103. Mathematical Modeling (3). (S/U grade only.) Prerequisites: MAC 2313; MAP 2302; MAS 3105; PHY 2048C. 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. 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; applications.

MAP 4170. Introduction to Actuarial Mathematics (4). Prerequisite or corequisite: MAC 2313. 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). Prerequisite: MAP 4170. Corequisite: 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. 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. 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. 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. The 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. The 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. 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 2311. 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.

MAS 3105. Applied Linear Algebra I (4). Prerequisite: MAC 2312. 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. Groups, permutations and symmetries, rings, integral domains, properties of the integers, fields and rational numbers. Mathematics majors must take MAS 4302 instead.

MAS 4106. Applied Linear Algebra II (3). Prerequisites: MAC 2313 and MAS 3105. Positive definite matrices, matrix computation, linear programming and game theory. Applications.

MAS 4203. Theory of Numbers (3). Prerequisite: MAS 3301 or MAS 4302 or instructor permission. The Euclidean algorithm; congruencies, quadratic residues, the law of quadratic reciprocity, and an elementary discussion of arithmetic functions and distribution of primes.

MAS 4302, 4303. Introduction to Abstract Algebra I, II (3, 3). Prerequisite: MAS 3105 and prior experience with mathematical proofs from MGF 3301 or MAD 2104 or other proof-based courses. Groups, permutation groups, subgroups, group homomorphisms, structure of groups, rings, ideals, ring homomorphisms, rings of quotients, polynomials, factorization, fields, field extensions.

MAT 3711. Introduction to Symbolic Computation (3). Prerequisite: MAC 2312. 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 to a maximum of twelve (12) semester hours.

MAT 4906r. Directed Individual Study (1–4). May be repeated to a maximum of twelve (12) semester hours.

MAT 4930r. Special Topics in Mathematics (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

MAT 4931r. Special Topics in Mathematics (1–3). May be repeated to a maximum of six (6) semester hours when subject matter changes.

MAT 4934r. Honors Work (3). May be repeated to a maximum of nine (9) semester hours.

MAT 4945r. Undergraduate Professional Internship (1–3). (S/U grade only.) Prerequisite: Instructor permission. Supervised internships 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 (3) 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. Recommended background: two years of high school algebra. Course is not intended for students whose programs require precalculus or calculus courses. Set theory; symbolic logic; counting principles; permutations and combinations; probability; statistics; geometry; applications and history of mathematics.

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. Recommended background: two years of high school algebra. Topics will include 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.

MGF 1214. Environmental Mathematics (3). Recommended background: two years of high school algebra. 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.

MGF 3301. Introduction to Advanced Mathematics (3). Prerequisite: MAC 2312. Credit is not also allowed for MAD 2104. 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 will be emphasized throughout.

MHF 4302. Mathematical Logic I (3). Prerequisite: MAS 3301 or MGF 3301 or instructor permission. Propositional and predicate logic, models. Godel's completeness theorem and related theorems.

MTG 4212. College Geometry (3). Prerequisites: MAC 2312 and MAS 3105. 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. Topological spaces, metric spaces, connectedness, compactness, separation properties, topology of the plane, product spaces.

MTG 4303. Elementary Topology II (3). Prerequisite: MTG 4302. Function spaces, Hilbert space, quotient spaces, continua, paracompactness and metrizability, nets and filters, the fundamental group.

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 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).
OCF 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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of MECHANICAL ENGINEERING

FAMU-FSU COLLEGE OF ENGINEERING

Chair: Chiang Shih; **Associate Chair:** Cesar Luongo; **Professors:** Alvi, Chen, Collins, Gielshe, Hellstrom, Kalu, Krothapalli, Larbaestier, Lourenco, Luongo, Schwartz, Shih, Van Dommelen, Van Sciver; **Associate Professors:** Cartes, El-Azab, Hollis, Hruda, Moore; **Assistant Professors:** Clark, Englander, Oates, Ordóñez; **Affiliated Faculty:** Chandra, Garmestani, Greska, Gunsburger, Han, Hussaini, Tam; **Adjunct Faculty:** Bickley, Boeshaghi, Fernando, Moore, Seely; **Professor Emeritus:** Buzyna

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, 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:

1. Excel in industrial, research, or graduate work in mechanical engineering or allied fields
2. Design and analyze devices and products that meet the needs of society, based on sound scientific knowledge and engineering practices
3. Become engineering professionals by engaging in professional activities and continuous self-development
4. Function effectively in increasingly multi-cultural and multi-disciplinary environments across regional and national borders

Program Outcomes

In fulfilling the undergraduate educational objectives, the desired outcomes are that our graduates demonstrate the following:

- 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 multi-disciplinary 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 knowledge of contemporary issues
- A recognition of the need for and an ability to engage in life-long learning
- An ability to use modern engineering techniques, skills, and computing tools necessary for engineering practice
- Familiarity with statistics and linear algebra

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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. ENC X101
2. ENC X102
3. MAC X311*
4. MAC X312*
5. MAC X313*
6. MAP X302
7. CHM X045/X045L*
8. PHY X048/X048L
9. PHY X049/X049L
10. Six (6) semester hours in the humanities
11. Six (6) semester hours in social science
12. Three (3) additional semester hours in humanities or social science

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Core Program

A candidate for the Bachelor of Science (BS) degree 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)
EEL 3003L	Introduction to Electrical Engineering Laboratory (1)
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)
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 ABET 2000 accreditation guidelines.

The following core courses comprise the mechanical engineering curriculum:

- EML 3002C Mechanical Engineering Tools (4)
- EML 3004C Introduction to Mechanical Engineering (4)
- 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 (4)
- 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 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 4XXX Technical Electives (12)
- XXX XXXX Senior Seminar (0)

Technical electives are generally intended to develop depth in an area of interest and must form a coherent area of concentration. A minimum of three (3) technical electives (nine [9] 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: MAD 3401, 3703; MAP 3306, 4341; MAS 3105; STA 4930.

EML 3004C 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 3004C.

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

EGM 3512. Engineering Mechanics (4). Prerequisites: MAC 2312 and PHY 2048. Corequisite: MAC 2313. Topics in this course include 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. Tensile instability, crystallography, theory of dislocations, plasticity, hardening mechanisms, creep and fracture, electron microscopy, composite materials.

EMA 4501. Optical and Electron Microscopy (3). Prerequisite: EML 3012C or instructor permission. 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 3002C. Mechanical Engineering Tools (4). Prerequisites: MAC 2311 and PHY 2048C. Course covers communication and data handling, computer aided design, basic thermofluids, introductory programming concepts, machine shop practice.

EML 3004C. Introduction to Mechanical Engineering (4). Prerequisites: MAC 2312 and PHY 2048C. Course covers the engineering profession; drafting; measurements; ethics; statics; the application of chemistry, calculus, and physics to engineering problems, and an overview of the engineering design process.

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 will provide 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 (4). 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. 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. Required corequisite: EML 4304L. 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 is the first course 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 is the second course 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. 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. Includes concepts of materials science and their relevance to engineering design. Recent advances in engineering materials science.

EML 3949. Cooperative Work Experience (0). (S/U grade only.)

EML 4161. Cryogenics (3). Prerequisites: EML 3012C and EML 3016C. 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 4304L. Thermal-Fluids Laboratory (3). Prerequisites: EML 3012C and EML 3015C. Corequisite: EML 3016C. Engineering laboratory 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. 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. Design of advanced control systems (using time and frequency domains) will be emphasized. Implementation of control systems using continuous (operational amplifier) or digital (microprocessor) techniques will be addressed and practiced.

EML 4421. Fundamentals of Propulsion Systems (3). Prerequisite: EML 3016C. 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). Prerequisite: 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 - 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 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. 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. 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). Prerequisite: EML 3012C and senior standing in mechanical engineering. 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: EML4551C. This 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. 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. 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. 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 (12) semester hours.

EML 4930r. Special Topics in Mechanical Engineering (1-4). Prerequisite: Instructor permission. Topics in mechanical engineering with emphasis on recent developments. Content and credit will vary. Consult the instructor. May be repeated to maximum of twelve (12) 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 (3) semester hours.

EML 4970r. Honors Work (3). Prerequisite: Acceptance into honors program. 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 (6) required semester hours.

Graduate Courses

EGM 5444. Advanced Dynamics (3).

EGM 5611. Introduction to Continuum Mechanics (3).

EGM 5653. Theory of Elasticity (3).

EGM 5810. Viscous Fluid Flows (3).

EGM 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 5072. Applied Superconductivity (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 5451. Energy Conversion Systems for Sustainability (3).

EML 5453. Sustainable Power Generation (3).

EML 5524. Experimentation in Mechanical Engineering (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).

EML 6716r. Advanced Topics in Fluid Dynamics (3-6).

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MEDICINE

COLLEGE OF MEDICINE

Department of Biomedical Sciences, Chair: David Balkwill; **Professors:** Alston, Balkwill, Blaber, Galasko, M. Hurt, Klatt, McGee, Meredith, Ouimet, Overton, Patrick, Payer, Rill, Vanlandingham; **Associate Professors:** Horabin, Olcese, Yu; **Assistant Professors:** Gunjan, Kabbaj, Kato, Lee, Stefanovic, Wang; **Assistant Scholar Scientist:** Bienkiewicz; **Assistants in Medicine:** Cappendijk, Didier, Paik; **Department of Clinical Sciences, Chair:** Eugene Ryerson; **Professors:** Berg, Bertolette, Bland, Bradley, Reyes, Harris, Hartsfield, Muszynski, Ryerson, Trowers; **Associate Professor:** Manting; **Assistant Professors:** Danforth, Giannini, Parsley; **Department of Family Medicine and Rural Health, Chair:** Daniel Van Durme; **Professors:** Beitsch, Brooks, Dunn, Littles, McLeod, Stine, Van Durme; **Associate Professors:** Baker, Blackburn, Campbell; **Assistant Professors:** Aubrey, Gail Bellamy, Chukmaitov, Geletko, Goodwin, Harrison, Quintero, Rodriguez, Saunders; **Associates in Medicine:** Clark; **Department of Geriatrics, Chair:** Kenneth Brummel-Smith; **Professors:** Brummel-Smith, Granville, Lloyd; **Associate Professor:** Pomidor; **Assistant Professor:** Dangiolo; **Department of Medical Humanities and Social Sciences, Chair:** Suzanne Johnson; **Professors:** Glueckauf, Johnson; **Associate Professor:** Spike; **Assistant Professors:** Dutton, Gerend; **Assistant Scholar Scientist:** Baughcum

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

MEL—Medical Science Electives

Undergraduate Courses

BMS 4901r. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Instructor permission. Study on a selected topic as designated by student or directing professor. May be repeated to a maximum of nine (9) semester hours.

IHS 4904r. Directed Individual Study in Health Sciences (1–3). (S/U grade only.) This is a course for undergraduate students who desire an individualized research experience in biomedical sciences, medical humanities and social science, public health, or other related fields represented in the College of Medicine. Students receive laboratory or other 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 (15) semester hours.

Doctor of Medicine (MD) Courses

First Year Courses

- BMS 6015.** Doctoring 101 (3).
- BMS 6016.** Doctoring 102 (5).
- BMS 6017.** Doctoring 103 (5).
- BMS 6110C.** Clinical Microscopic Anatomy and Laboratory (4).
- BMS 6115C.** Clinical Anatomy, Embryology and Imaging (10).
- BMS 6204r.** Medical Biochemistry and Genetics (5).
- BMS 6511.** Organ Physiology (6).
- BMS 6706C.** Clinical Neuroscience (6).
- BMS 6940.** Internship/Practicum/Clinical Practice (1). (S/U grade only.)

Second Year Courses

- BMS 6301.** General Medical Microbiology and Infectious Disease (3).
- BMS 6302.** Systemic Medical Microbiology and Infectious Disease (2).
- BMS 6401.** General Medical Pharmacology (2).
- BMS 6402.** Systemic Medical Pharmacology (3).
- BMS 6520.** Systemic Physiology (2).
- BMS 6601.** General Pathology and Immunology (4).

- BMS 6602.** Systemic Pathology and Laboratory Medicine (9).
- BMS 6821.** Medicine and Behavior I (2).
- BMS 6822.** Medicine and Behavior II (2).
- BMS 6823.** Health Issues in Medicine (2).
- BMS 6831.** Doctoring 201 (6).
- BMS 6832.** Doctoring 202 (8).
- BMS 6900.** Directed Individual Study in Biomedical and Clinical Sciences (2–9). (S/U 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://www.med.fsu.edu/education/Curriculum/>.

Department of METEOROLOGY

COLLEGE OF ARTS AND SCIENCES

Chair: Robert G. Ellingson; **Associate Chair:** *Ruscher; **Professors:** +Chassignet, Ellingson, Fuelberg, Nicholson, Ray, *Zou; **Associate Professors:** Ahlquist, *Cai, *Clayson, *Cunningham, Liu, *Ruscher; **Assistant Professors:** *Bourassa, Hart, *Reasor, Sura; **Professors Emeriti:** Barcilon, *T. Krishnamurti, Gleeson, LaSeur, Long, +O'Brien, Pfeffer, Staley

* Also Associate, Geophysical Fluid Dynamics Institute

+ Joint appointment with the Department of Oceanography

The Department of Meteorology was founded in 1949 and throughout its history has been one of the leading meteorology programs in the country. It is the flagship meteorology department in the southeastern United States, offering degrees from the Bachelor of Science (BS) through the Doctor of Philosophy (PhD). The program at Florida State University is considered to be one of the top five comprehensive meteorology programs in the nation.

Members of the Department of Meteorology enjoy the benefits of advanced scientific equipment and a cooperative research environment with the Departments of Mathematics and Oceanography, the Geophysical Fluid Dynamics Institute (GFDI), and the School of Computational Science (SCS). Scientific computations are handled on equipment ranging from PCs, Macintosh, and Linux computers to networks of scientific workstations and supercomputers.

The department maintains a full suite of weather applications software including those supported by the Unidata program and receives real-time National Weather Service data feeds. We also manage our own weather satellite receiving stations for instructional and research use. 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, including computerized CD-ROM databases. 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 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 Leon and Wakulla counties. 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.

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 other researchers in exciting new fields of research. Our department is one of the few in the country where a National Weather Service Forecast office is located in the same building as the department. This facilitates interactions between students and professional operational forecasters.

National and international honors have been bestowed upon departmental faculty members. Five members of the meteorology faculty are Fellows of the American Meteorological Society (AMS). Further, Dr. O'Brien has received the AMS Sverdrup Gold Medal; Dr. T. Krishnamurti has received the AMS Second Half Century Award and the Rossby Research Medal, as well as the World Meteorological Organization's IMO Prize; Dr. Ellingson earned the U.S. Department of Energy Distinguished Associate Award; Dr. Nicholson has received the Hugh Robert Mill Medal by the Royal Scientists and Engineers; Dr. Clayson received the Presidential Early Careers award for Scientists and Engineers; and Dr. Hart was awarded the AMS Meisinger Award.

For additional information, see the department's Web site at <http://www.met.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 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. MAC X311
2. MAC X312
3. PHY X048/X048L or PHY X048C
4. PHY X049/X049L or PHY X049C

Requirements for a Major in Meteorology

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*. A detailed hand-out for meteorology majors entitled Undergraduate Program in Meteorology is available in the departmental office.

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.

The Department of Meteorology 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.

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 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.

Course Work and Requirements

Required meteorology course work. MET 2101, 2502C, 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, PHY 2048C, and PHY 2049C. Students who wish to take MET 4450 should also take PHY 3101 earn a second minor in physics. While PHY 3101 is optional, it strengthens one's background for MET 4450. Computer science has arranged for a special optional minor for meteorology majors. See the "Computer Science" section of this *General Bulletin* for details. Students wishing to pursue a career as a meteorologist with the federal government *must* take MET 4400C and/or 4450.

The Bachelor of Arts (BA) degree may be obtained by completing the Bachelor of Science (BS) degree requirements plus additional courses required by the University.

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. 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, or physics) 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 (3) S/U-grade only MET prefix courses may be used for the total semester hour requirement for a degree in meteorology.

Honors in the Major

The Department of Meteorology 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 Meteorology

Requirements for a minor in meteorology must be discussed on an individual basis with a meteorology faculty adviser or academic coordinator. Options are available and must be matched to a student's academic background, and generally require meteorology and mathematics coursework. Additional information is available from the academic coordinator in the Department of Meteorology, 404 Love Building. In no case may more than three (3) semester hours in S/U courses apply toward a minor in meteorology.

Class Attendance

A first-day attendance policy will be enforced. The department will drop anyone not attending class the first day.

Definition of Prefixes

ESC—Earth Science

ISC—Interdisciplinary Sciences

MAP—Mathematics Applied

MET—Meteorology

OCP—Physical Oceanography

SCE—Science Education

Undergraduate Courses

ESC 2200C. Earth Science for EC/EE Teachers (4).

ISC 3076. Science, Technology, and Society (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*.

MET 1010. Introduction to the Atmosphere (3). 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. Two (2) hours per week. Data analysis, instruments, and weather system models.

SCE 4835C. Teaching Earth and Space Science (3). This course examines the pedagogical content knowledge needed to teach earth/space science.

Required Courses for Majors

MET 2101. Physical Climatology (3). Corequisite: MET 2700. Global distribution of principal climatic elements with emphasis on physical causes. Statistical analysis of distributions of climatological variables.

MET 2502C. Weather Analysis and Forecasting (2). Prerequisite: MET 2700. 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 1045C and MAC 2311. Corequisite: PHY 2048C. 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: MAC2312, MET 2101, and MET 2700. 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 and MET 2700, both with a grade of "C" or better. This course will examine a variety of topics, including equations of motion, mass conservation, thermodynamics, vorticity, and geostrophic, gradient and thermal winds.

MET 4301. Atmospheric Dynamics I (4). Prerequisites: MET 3300 with a grade of "C" or better and MAP 2302 or MAP 3305. Corequisite: MET 4420. 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). Prerequisite: MET 4301. 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, PHY 2049C, MET 2700 with a grade of "C" or better, and MAC 2313. Classical equilibrium thermodynamics; first and second law, entropy, phase changes, potentials. Physics of moist air; physics of aerosols; condensation of water vapor on aerosols.

MET 4450. Atmospheric Physics II (3). Prerequisite: MET 4420. 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 4500C. Synoptic Lecture-Laboratory I: Basic Analysis Techniques (3). Prerequisites: MET 2502C with a grade "C" or better, MET 3300, or instructor permission. Corequisites: MET 4301 or MET 5311, MET 4420, and CGS 3460 or another programming language. 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 2122 or equivalent. Synoptic calculation and four-dimensional analysis of weather systems.

Elective Courses for Majors

MET 3520r. Current Weather Discussion (1). (S/U grade only.) Prerequisite: MET 2700. Discussion of facsimile analysis and prediction materials. Three meetings per week. May be repeated to a maximum of four (4) semester hours.

MET 3940r. Weathercasting (1). (S/U grade only.) Prerequisite: MET 1010. Corequisite: MET 2700. Practice in preparing and presenting weathercasts for radio and television. May be repeated to a maximum of four (4) semester hours.

MET 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

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. Selected topics in meteorology and climatology not covered in other courses. May be repeated for different material to a maximum of twelve (12) semester hours.

MET 4400C. Meteorological Instrumentation and Observations (3). Prerequisites: PHY 2048C and MET 2700, both with a grade of "C" or better. Two (2) hours lecture, three (3) hours laboratory. Theory and practice of calibration and operation of basic sensors. Measurement of temperature, heat flow, fluid flow, pressure, and moisture.

MET 4450. Atmospheric Physics II (3). Prerequisite: MET 4420. 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 (9) semester hours.

MET 4905r. Directed Individual Study (1–3). May be repeated to a maximum of nine (9) semester hours.

MET 4945r. Meteorology Internship (1–9). (S/U grade only.) Prerequisite: Instructor permission. May be repeated to a maximum of nine (9) semester hours. Supervised internship individually assigned to accommodate student's background and objectives. Credit proportional to scope and significance of work.

Graduate Courses

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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

**MICROBIOLOGY:
see Biological Science**

Program in MIDDLE EASTERN STUDIES

COLLEGE OF ARTS AND SCIENCES

Director: Peter Garretson (History); **Co-Director:** Zeina Schlenoff (Modern Languages and Linguistics); **Advisers:** Garretson (History), Schlenoff (Modern Languages and Linguistics)

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) degree 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://www.fsu.edu/~mec>.

Admission

Students must complete fifty-two (52) 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 (54) 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 (36) semester hours from among those area-specific upper level courses listed for their major track. The hours should be distributed among at least 3 departments participating in the program.
- Middle East Survey requirement.** Students are required to take Middle East Survey (ASH 3230), a three (3) semester hour course.
- Language requirement.** Fifteen (15) semester hours of course work are required in a relevant area language (Arabic, Hebrew, 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 course work 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 course work hours taken beyond the fourth semester of foreign language requirement may be counted toward the required thirty-six (36) hours for the major. A separate minor is not currently required for the Middle Eastern studies major, as a secondary area of major course work constitutes a collateral minor.

State of Florida Common Program Prerequisites

The State of Florida has not identified common course 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), John Kelsay (Religion), Daniel Pullen (Classics)

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 (15) 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 (8) 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.

Anthropology

ANT 4175 Archaeology of the Islamic World (3)

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)

Economics

ECS 4504 Economics of the Middle East (3)

Geography

GEO 4930 Special Topics in Geography [Middle East] (3)

History

AFH 4302 Northern African History: A Survey (3)
ASH 1044 Middle Eastern History and Civilization (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)
EUH 3420 Rise and Fall of Classical Civilization (3)
EUH 4241 The Holocaust in Historical Perspective (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 [Topics in Arabic] (3)
FRE 4930 Special Topics [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 2202 Intermediate Hebrew (4)
HBR 2220 Intermediate Modern Hebrew (4)

Political Science

CPO 3403 Comparative Government and Politics: The Middle East (3)
INR 4274 Studies in International Politics: The Middle East (3)

Religion

REL 2210 Introduction to the Old Testament (3)
REL 3363 The Islamic Tradition (3)
REL 3600 The Jewish Tradition (3)
REL 3936 Special Topics in Religion: Islam in the Modern World (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)

Urban and Regional Planning

- URP 4936 Special Topics in Urban and Regional Planning [Gender and Development] (3)

Related Courses

Note: The following courses require an adviser's approval.

Anthropology

- ANT 4930 Special Topics in Anthropology (3)

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)

English

- ENG 3310 Film Genres (3)
 ENG 4905 Directed Individual Study [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 [Music of the Middle East] (3)
 HUM 3324 Cultural Imperialism (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 4671 Gender and Judaism (3)

Women's Studies

- WST 4930 Topics in Women's Studies: Women and Gender in Africa (3)
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Department of MILITARY SCIENCE

COLLEGE OF ARTS AND SCIENCES

Professor: Lieutenant Colonel John DeVillez; **Senior Military Science Instructors:** Majors Brown, Cherry, and West; **Military Science Instructors:** Master Sergeants Coleman, Jackson, and Lovins

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 32-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 (75 minutes) periods and a one and a half hour (90 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 20 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 full tuition. Additionally, Army scholarship recipients receive a flat-rate allowance of \$900 per year for textbooks and other expenses and a \$300–\$500 per month stipend for up to 10 months per year. During the 32-day advanced course summer training between the junior and senior years, Army ROTC also pays attending cadets \$25.48 per day plus room and board. There are also numerous national and organizational scholarships that students may compete for as a member 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 (12) 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 17 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 (30) at the time of commissioning
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) 647-1016 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 (90 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. Topics presented include 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 (54) 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. Topics in this course include 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. Students 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 4900. Directed Individual Study (3). Prerequisite: Permission from a military-science professor. 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 (6) semester hours.

Preprofessional Program in MINISTERIAL STUDIES

COLLEGE OF ARTS AND SCIENCES

Adviser: John E. Kelsay, Department of Religion

The baccalaureate degree is required for admission to accredited theological schools. Students interested in a pretheological curriculum and information about theological seminaries should consult with Dr. John Kelsay at the Department of Religion, 206 *Dodd*.

Preministerial students are also advised that the King's Daughters Fund provides scholarships for students who are committed to a church-related vocation. Applications must be received by April 15th each year. Contact the Office of the Vice President for Student Affairs for details.

Department of MODERN LANGUAGES AND LINGUISTICS

COLLEGE OF ARTS AND SCIENCES

Chair: William Cloonan; **Professors:** Cloonan, Darst, Fernandez, Fleming, Galeano, Hargreaves, Leparulo, Pietralunga, Sharpe, Walters; **Associate Professors:** Adolph, Arias, Boutin, Cappuccio, Efimov, Gomariz, Lan, Leushuis, Maier-Katkin, Poey, Romanchuk; **Assistant Professors:** Alvarez, Gonzalez, Leeser, Reglero, Sunderman, Tarpley, Wakamiya, Willstedt, Yasuhara, Zanini-Cordi; **Associates in Modern Languages:** Adolph, Schlenoff; **Assistants in Modern Languages:** Cameron, Gray, Feng, Parrat

The Department of Modern Languages and Linguistics provides instruction in Arabic, Chinese, French, German, Hebrew, Italian, Japanese, Korean, Portuguese, Russian, 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, 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, French, French and Francophone Studies, German, Italian, Russian, and Spanish. All major programs, except for languages with a concentration in business, 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, 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 (MA) 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 (PhD) 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's language laboratories offer state-of-the-art electronic language learning systems. Students may practice at their convenience individually (unsupervised) or with their classes under a teacher's supervision. The Foreign Language Learning Center possesses a collection of video materials, and television news from around the world can be viewed daily on the set or online. Students have access to a state-of-the-art computer lab plus an audio lab.

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, or CIS 3931.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for these degree programs:

French

Six to twelve (6–12) semester hours of coursework in the language

French and Francophone Studies

Students must demonstrate proficiency by testing or completion of intermediate-level French.

German

Six to twelve (6–12) semester hours of coursework in the language

Italian

Six to twelve (6–12) semester hours of coursework in the language

Russian

Six to twelve (6–12) semester hours of coursework in the language

Spanish

Six to twelve (6–12) semester hours of coursework in the language

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 Chinese, French, German, Italian, Japanese, Spanish, or Russian with a concentration in business may be selected. The program consists of twenty-one (21) semester hours in the language beyond the language requirement plus fifteen (15) semester hours of core business courses and twelve (12) semester hours in a specialized track of marketing, management, or finance in the College of Business. A major in Chinese or Japanese with a concentration in business requires eighteen (18) semester hours of the selected language numbered above the 2220 level, fifteen (15) semester hours of core business courses, and twelve (12) semester hours in a specialized track of marketing, management or finance. No minor is required with a concentration in Business. Students should consult with their language adviser for a list of appropriate courses. No minor is required.

Co-Major in Modern Languages and Linguistics

The department offers an interdepartmental program in which students may select co-majors from the following divisions: French, German, Italian, Russian, and Spanish. The co-major consists of twenty-one (21) semester hours numbered above 1999 in each of two divisions selected. A co-major in Chinese and Japanese consists of sixteen (16) semester hours of Chinese language coursework numbered above 2220, sixteen (16) semester hours of Japanese language coursework numbered above 2220, and nine (9) semester hours of coursework in Chinese and/or Japanese literature and culture. 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 (6) semester hours may overlap, i.e. they may be counted toward two separate majors; and 2) no minor is required.

Double Major in Modern Languages

A double major in two modern foreign languages may be approved. 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.

East Asian Languages and Cultures

The East Asian Languages and Cultures degree program offers five separate major tracks: Chinese language and culture (thirty [30] hours), Japanese language and culture (thirty [30] hours), co-major in Chinese and Japanese (forty-one [41] hours), Chinese with a concentration in business (forty-five [45] hours), and Japanese with a concentration in business (forty-five [45] hours). All require coursework in language above the 2220 level. Coursework should be selected by consultation with the Chinese or Japanese adviser in the language area of choice. For further information on requirements, visit the undergraduate section of the Web site at <http://www.fsu.edu/~modlang/>.

French Major

Thirty (30) semester hours numbered above 2999 are required, including FRW 3100, 3101; FRE 3420, 3421, 3780, 4422; and three additional 4000-level courses (nine [9] semester hours), at least two of which (six [6] semester hours) must be in French literature. One 3000–4000 level 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. 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 about the French program, please visit the Web site: <http://www.fsu.edu/~modlang/divisions/french>.

French and Francophone Studies Major

Thirty-six (36) semester hours numbered above 2999 are required in this interdepartmental program with history and art. Twenty-one (21) semester hours of French and fifteen (15) 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. French and francophone studies majors are eligible for the Ada Belle Winthrop King Summer Scholarships to Paris. For more information about the French program please visit the Web site at <http://www.fsu.edu/~modlang/divisions/french>.

German Major

Thirty (30) semester hours numbered above 2999 are required. Students must have a minimum of six (6) semester hours of skills courses (e.g. GER 3310, 3400) and six (6) semester hours of literature, film, and culture classes (e.g. GER 3500, GEW 3370). A minimum of six (6) semester hours must be taken at the 4000 level. Core required courses for the major are GER 3400 and GER 3500. Students should consult with an adviser to ensure that they have met the distribution requirements.

Italian Major

Thirty (30) 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 (6) semester hours from among the following course work may count toward the thirty (30) semester hour requirement: ITT 3430, 3500, 3501, 3520, 3523r.

Russian Major

Thirty (30) semester hours numbered above 2220 are required, including RUS 2330, 3400, 3420, and at least twelve (12) semester hours of RUS/RUW course work at the 4000 level or above. Three (3) semester hours at the 4000 level must be in Russian literature. A maximum of six (6) semester hours from among the following course work may count toward the thirty (30) 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.

Spanish Major

Thirty-six (36) semester hours, distributed in the following manner, are required: SPN 2240 and eighteen (18) semester hours of 3000 level courses including SPN 3332, 3333; SPW 3030; either SPN 3510 or SPN 3520; a departmental linguistics course (usually LIN 3041), and one 3000 level literature course. Heritage speakers must take SPN 3350 plus an additional 3000-4000 level Spanish course instead of the required SPN 3332-3333 sequence. Required at the 4000 level are fifteen (15) semester hours in SPN or SPW courses, including at least one senior seminar, such as SPN 4540, SPN 4930 or SPW 4930.

Minor for Modern Languages Majors

At least twelve (12) semester hours in an approved departmental field are required. If a second foreign language is selected as the minor, the twelve (12) 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 (12) semester hours in linguistics. See specific course requirements listed under “Interdepartmental Linguistics Minors.”

Note: Linguistics courses may NOT count toward both a major in Spanish and a minor in linguistics.

The graduate minor requires fifteen (15) semester hours. See specific course requirements listed under “Interdepartmental Undergraduate and Graduate Minors.”

Requirements for a Minor in Modern Languages and Linguistics

Twelve (12) semester hours in linguistics or in any one of the following languages are required: Chinese, French, German, Italian, Japanese, Portuguese, or Russian numbered above 1999. Spanish requires fifteen (15) semester hours numbered above 2220 including three (3) hours in Spanish literature. **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 (18) semester hours above 1999, fifteen (15) of which should be from Arabic language courses. The additional three (3) 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 (9) of the eighteen (18) 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. 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 (18) semester hours, at least fifteen (15) of which must be Hebrew language courses. The remaining three (3) 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 (3) hours of Biblical Hebrew and three (3) 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 (9) of the eighteen (18) required hours must be taken at FSU. A list of approved courses may be obtained from the departmental undergraduate office, *Rm 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 (15) 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. All declared students in the minor receive a regular pre-registration mailing, listing all the eligible courses for the forthcoming semester. 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, which will be included in the pre-registration mailing. 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 (15) 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. No more than eight (8) 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 World Literature/World Film

The minor will consist of fifteen (15) 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 Culture in Translation

CZE—Czech Language

FOL—Foreign and Biblical Languages (i.e. Hebrew)

FOW—Foreign and Biblical Languages, Comparative Literature (Writings)

FRE—French Language

FRT—French Culture in Translation

FRW—French Literature (Writings)

GER—German

GET—German Culture in Translation

GEW—German Literature (Writings)

HBR—Modern Hebrew Language

ITA—Italian Language

ITT—Italian Culture in Translation

ITW—Italian Literature (Writings)

JPN—Japanese

JPT—Japanese Literature in Translation

KOR—Korean Language

LIN—Linguistics

POR—Portuguese Language

PRT—Portuguese Culture in Translation

RUS—Russian Language

RUT—Russian Culture 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)

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 language coordinator for that course as well as the Modern Languages' associate chair in graduate studies.

Arabic

ARA 1120. Elementary Arabic I (4). 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. 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. Extended vocabulary and grammar, as well as basic conversation are emphasized. Students start conversing, 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 2 semesters of Arabic in college or the equivalent. The objective of this course is to solidify knowledge of basic grammar and to expand the student's vocabulary. It emphasizes reading, writing, listening, and speaking. Students will 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.

Chinese

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, 2220 and/or 2300.

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, 2220 and/or 2300.

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, 1121 and/or 2300.

CHI 2300. Chinese Grammar and Composition (4). Prerequisite: CHI 1121 or instructor permission. Gives students an opportunity to strengthen their knowledge of basic Chinese syntax and gain better insight into the structure of modern Chinese. Students are taught to write letters, notes, and short essays in Chinese.

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 (6) semester hours.

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 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 (6) 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 (6) semester hours.

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 (6) semester hours.

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 (6) semester hours as content changes and with permission of the instructor.

Czech

CZE 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 (6) semester hours.

Film Courses

See course descriptions under individual language areas.

CHT 3391	Chinese Cinema and Culture
FRT 3520r	French Cinema
GET 3524r	German Cinema
ITT 3523r	Italian Cinema
JPT 3391r	Japanese Film and Culture
RUT 3523	Russian Cinema
SPT 3391r	Hispanic Cinema
PRT 3391r	Brazilian Literature and Film in Translation

General Foreign Language Courses

FOL 3930r. Experiments in Modern Language (3). May be repeated to a maximum of nine (9) 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 (5) 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 (6) 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. Expansion of French reading skills while introducing the student to oral expression through a discussion of the readings. May not be taken by native speakers. May not be taken concurrently with FRE 1120, 1121 and/or 2211.

FRE 3244. Intermediate French Conversation (3). Prerequisites: FRE 2220 and FRE 3420 or FRE 3421. 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). Prerequisites: FRE 2220. This course, taught primarily 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 2220. Targeted pronunciation practice using the phonetic alphabet with the objective of improving production of standard French pronunciation.

FRE 4410. Advanced Conversation (3). Prerequisites: FRE 3244 and FRE 3421 or equivalent. 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 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 (6) 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 (9) semester hours.

FRE 4935r. Honors Thesis (1-6). May be repeated to a maximum of nine (9) semester hours, three (3) 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 (6) semester hours.

French Literature 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 course covers movements and directors of French cinema and places emphasis on the postwar New Wave. May be repeated to a maximum of six (6) semester hours. With instructor permission, three (3) hours may be used for major or minor credit. Taught in English.

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.

French and Francophone Literatures, Cultures, and Civilizations

FRW 3100. Survey of French Literature: Origins Through 18th Century (3). Prerequisite: FRE 2220; 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 2220, 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 fiction and prose of the early-modern period. 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). Prerequisites: FRW 3100 or FRW 3101. The study of major themes and issues in 19th-century literature and culture.

FRW 4480. 20th-Century Literature (3). Prerequisites: FRW 3100 or FRW 3101. A survey of the major works (novels, theatre, poetry) and movements of 20th-century French literature.

FRW 4770. Black Literature of French Expression (3). Prerequisites: FRW 3100 or FRW 3101. An examination of the literature of Africa and the Caribbean written in French with an emphasis on Negritude, réalisme merveilleux, and other literary movements.

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 and 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 and GER 1120 or the 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. Reading and Conversation (4). Prerequisites: GER 1121 and GER 1111 or equivalent. Serves as final semester of the language requirement and as the transition to upper-level study. Contemporary reading matter, including films, slides, and recordings, serves as the basis for discussion. May not be taken by native speakers. May not be taken concurrently with GER 1110, 1111, 1120, and/or 1121

GER 3310. Intermediate German Grammar (3). Prerequisite: GER 2220 or equivalent or instructor permission. Not open to native speakers. 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 3310 or GER 3400 or instructor permission. 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 (6) 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 3310 or GER 3400 or instructor permission. 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 (9) semester hours when content changes.

GER 4420. Advanced Composition (3). Prerequisite: Two 3000-level GER courses or permission instructor. 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. An advanced-level skills course. Discussion of current events and mass media in German-speaking countries and work with authentic texts (newspapers and audio- and videotapes).

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 (6) semester hours.

GER 4935r. Honors Thesis (1-6). May be repeated to a maximum of nine (9) semester hours, three (3) 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 (6) 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 (6) 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 3500 or instructor permission. 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). Prerequisites: GER 3500 or instructor permission. Through reading and discussion of short pieces of fiction, primarily from the twentieth century, students are introduced to the principles of literary study.

GEW 4591r. Studies in an Author or Theme (3). Prerequisites: Two 3000-level courses or instructor permission. 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 is often supplemented by recordings and cinematic representations. May be repeated to a maximum of nine (9) 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 (9) semester hours.

GEW 4900r. Directed Individual Readings in Literature (3). Prerequisites: Two 3000-level courses or instructor permission. May be repeated to a maximum of nine (9) semester hours. Students arrange with individual faculty members to study literature outside the regular curriculum.

GEW 4930r. Special Topics (3). Prerequisites: Two 3000-level courses or instructor permission. May be repeated to a maximum of nine (9) 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 2300.

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 2300.

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, 2220 and/or 2300.

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, 2220 and/or 2300.

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, 1121, and/or 2300. 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 or ITA 2300. 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 and ITA 2300 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 1130, or equivalent. This course develops skilled undergraduate tutors for the Dartmouth method ITA 1110/1111 sequence. May be repeated to a maximum of six (6) 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 (6) 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 (9) semester hours.

ITA 4935r. Honors Thesis (1-6). May be repeated to a maximum of nine (9) semester hours, three (3) 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 (6) 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 (6) semester hours. Taught in English.

Italian Literature (Writings)

ITW 3100. Survey of Italian Literature: Origins through 18th-Century (3). Prerequisite: ITA 2220 and ITA 2300 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). Prerequisite: 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). Prerequisite: 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 (6) semester hours.

ITW 4480. 20th-Century Literature (3). Prerequisite: 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). Prerequisite: 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 (9) 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. May not be taken by native speakers. 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 concurrently with JPN 1120, 1121 and/or 2220.

JPN 3202. Readings in Short Stories and Essays (3). Prerequisite: JPN 2300. 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 carefully chosen original works and to bring to students' awareness various cross-cultural differences. May not be taken by native speakers.

JPN 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 (6) semester hours.

JPN 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 (9) semester hours.

JPN 4942r. Internship in Applied Japanese (1-6). (S/U grade only.) Prerequisite: Advanced standing in Japanese. 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 (6) 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 (6) 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 (2) semester hours.

Korean

KOR 2220. Reading and Conversation (4). Prerequisite: KOR 1121 or equivalent. 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.

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 (6) semester hours.

LIN 4930r. Topics in Linguistics (3). Students arrange with individual faculty members to undertake study in areas outside the regular curriculum.

Portuguese (Brazilian)

POR 1120. Elementary Portuguese I (4). A first semester course in Portuguese for beginning students. This course will emphasize the four basic communicative skills of listening, reading, speaking, and writing in a culturally authentic context. Basic grammar skills are also introduced.

POR 1121. Elementary Portuguese II (4). Prerequisite: POR 1120. A second semester course in Portuguese for beginning level students. This course will emphasize 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. A third semester course in Portuguese for intermediate level students. This course will emphasize 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. This course 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, 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). 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 (6) semester hours.

POR 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 (9) semester hours.

PRT 3391r. Brazilian Literature and Film in Translation (3). An overview of the works of prominent Brazilian writers from Machado de Assis to the present and films from *Black Orpheus* to the present. Counts toward major or minor in Latin American and Caribbean studies, as well as minors in Portuguese and world literature/world film. May be repeated to a maximum of six (6) semester hours. Taught in English.

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 4410. Advanced Russian Conversation (3). Prerequisite: RUS 3400. Styles and levels of oral expression on a wide range of topics.

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 (6) semester hours.

RUS 4930r. Special Topics (3). May be repeated to a maximum of twelve (12) semester hours for the major. Only three (3) 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 (9) semester hours, three (3) 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 (6) 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 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 (6) 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 3801r. Advanced Russian to English Translation (3). Prerequisite: RUS 3800 or equivalent, or instructor permission. Practicum in translation of contemporary publicistic prose. May be repeated to a maximum of six (6) semester hours.

Russian Literature (Writing)

RUW 3100. Survey of Russian Literature I (3). A survey of representative works of Russian 19th and early 20th century fiction.

RUW 3101. Survey of Russian Literature II (3). A survey of representative works of Russian 20th century short and long fiction.

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 (9) 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 (6) 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 (2) 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 (8) 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. May not be taken by native speakers.

SPN 3332. Communication in Language and Culture I (3). Prerequisite: SPN 2240 or instructor permission. This course uses an integrated skills approach to develop an understanding of Hispanic culture and to extend the growth of communicative proficiency in Spanish. May not be taken by native speakers.

SPN 3333. Communication in Language and Culture II (3). Prerequisite: SPN 3332 or instructor permission. This course is the second semester of the integrated skills sequence. In this course, students will deepen their understanding of Hispanic culture and the development of communicative proficiency and accuracy in the language. May not be taken by native speakers.

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 3440. Language and Culture in Business (3). Corequisite: SPN 3333 or instructor permission. 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). Corequisite: SPN 3333 or SPN 3350 or instructor permission. 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). Corequisite: SPN 3333 or SPN 3350 or instructor permission. 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). Prerequisite: SPN 3333 or equivalent. 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 4440. Business Writing in Spanish (3). Prerequisite: SPN 3333 or SPN 3350. Letter writing, business terminology, conducting business in the Hispanic world.

SPN 4540r. Regional Cultural Studies (3). Prerequisite: SPN 3333 or SPN 3350 or instructor permission. 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 (6) semester hours.

SPN 4740. Hispanic Sociolinguistics (3). Prerequisite: SPN 3333 or SPN 3350 or instructor permission. 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). Prerequisite: SPN 3333 or SPN 3350 or equivalent. 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 (6) semester hours.

SPN 4930r. Studies in Hispanic Language (3). Prerequisite: Spanish majors and minors with a minimum of (6) semester hours in Spanish at the 3000 or 4000 level or instructor permission. May be repeated when content varies for a maximum of six (6) semester hours.

SPN 4935r. Honors Thesis (1-6). May be repeated to a maximum of nine (9) semester hours, three (3) 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 (6) 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.

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. 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. May be repeated to a maximum of six (6) semester hours. Course applies toward major and 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. Taught in English.

SPW 3030. Approaching Hispanic Literature (3). Corequisite: SPN 3332 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 (6) 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 (6) 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 (6) 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 (6) 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 (6) semester hours.

SPW 4930r. Studies in Hispanic Literature (3). Prerequisites: Spanish majors and minors with minimum six (6) semester hours in 3000- or 4000-level SPW courses or instructor permission. May be repeated when content varies for a total of six (6) semester hours.

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.)

Czech

- CZE 5914r. Directed Individual Study (3). (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 Culture and Civilization (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.)

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. Black Literature of French Expression (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 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 5060r. Graduate Reading Knowledge in Russian (3). (S/U grade only.)
 RUS 5069r. Reading Knowledge Examination (0). (S/U grade only.)
 RUS 5415r. Graduate Russian Conversation and Comprehension (3). (S/U grade only.)
 RUS 5455r. Russian Stylistics (3).
 RUS 5705. Structure of Modern Language (3).
 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 5405. Old Russian Literature (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 5900r. Studies in Serbo-Croatian Language and Literature (3).

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 5269. Spanish 19th-Century Novel (3).

SPW 5275r. Spanish 20th-Century Novel (3).

SPW 5315. Spanish Golden Age Theater (3).

SPW 5325. Spanish 20th-Century Drama (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 5497. 20th-Century Spanish-American Drama (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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

MOLECULAR BIOLOGY:

see Biological Science

MOLECULAR BIOPHYSICS, PROGRAM IN:

see *Graduate Bulletin*

MOTION PICTURE, TELEVISION, AND RECORDING ARTS

COLLEGE OF MOTION PICTURE, TELEVISION, AND RECORDING ARTS

Dean: Frank Patterson; **Associate Dean:** Reb Braddock; **Assistant Dean:** Fred Salancy; **Associate Professor:** Auzenne; **Filmmakers in Residence:** Allen, Carruth, Chalmers, Cohen, Kaleko, Long, Metz, Nunez, Portman, Scoon; **Dean Emeritus:** Raymond Fielding; **Distinguished Filmmaker At Large:** A.C. Lyles

The Florida State University College of Motion Picture, Television, and Recording Arts (the Film School) offers a Bachelor of Fine Arts (BFA) and Master of Fine Arts (MFA). The BFA combines schooling in filmmaking with solid grounding in liberal studies. The curriculum directs students through the program in such a way that they will begin learning the special language of film by making short films. The Film School funds virtually all student production expenses, including those of the thesis films, 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 program is to produce educated, literate, and creative filmmakers; the focus of the program is on fictional narrative films. Undergraduate students in the BFA program will receive a well-rounded liberal arts education that includes writing courses. The major courses include producing, directing, screenwriting, editing, camera and lighting, sound, production management, film 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, Television, and Recording 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, television, and recording 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 motion picture, television, and recording arts 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following are the common course prerequisites or approved substitutions necessary for this degree program:

Motion Picture and TV Technology

1. FIL X401 History of Motion Picture I or FIL X400 History of Motion Picture
2. FIL X100 Film and Television Writing or any general screen or script-writing course

Requirements for a Major in Motion Picture, Television, and Recording Arts

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 (120) semester hours. For a sample listing of the required curriculum plan, please refer to <http://film.fsu.edu>.

To fulfill the requirements of the Film Production program in the College of Motion Picture, Television & Recording 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 Film School, filmmaking protocols, and the operation of filmmaking equipment;
- Possess the ability to adequately communicate orally, in English, with others.

Admission

This is a limited access program; therefore, admission is highly selective and highly competitive. Approximately 30 freshmen and transfer applicants are admitted each Fall as film majors. A student seeking to enter the program must offer an acceptable grade point average (GPA), usually above 3.0, and be eligible for admission to FSU. Freshmen majors will not enroll in film major classes prior to their sophomore year in order to concentrate full-time on full-filling liberal studies requirements. Freshmen may need to enroll in Summer courses in order to complete the required twenty-seven (27) semester hours of the liberal studies prior to continuing in the Fall as a sophomore. Admission into the film major as a transfer student requires that twenty-seven (27) semester hours of the liberal studies requirements be completed prior to Fall admission.

A separate application must be submitted directly to the College of Motion Picture, Television, and Recording Arts in addition to the application for admission to the Florida State University Office of Admissions.

All applications to the Film School must include a 500–1,000 word essay describing the applicant’s background, artistic experiences, creative influences, personal objectives, and future career goals, as well as a résumé, two (2) letters of recommendation, transcripts from all high schools, colleges, and universities attended, and SAT (usually a minimum of 1200) or ACT (usually a minimum of 25) test scores. Any application that does not contain all of these items will be treated as incomplete, and admission will be denied automatically.

Applicants are **not** permitted to submit portfolio items such as VHS tapes, DVDs, writing samples, photos, etc.

The deadline for submitting an application to the undergraduate program is December 15th for students seeking admission in the Fall semester. Film School applications are available online at <http://film.fsu.edu>.

Grade Requirements

Film 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 Film School’s professional Code of Conduct. In addition, continuation as a major in the Film School 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

Film 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. Cumulative GPA falls below 3.0 in all major requirements resulting 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.

- Any unauthorized use, possession, or willful destruction of Film School 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 Film School with respect to the student(s) involved.

Liberal Studies Program

All undergraduates majoring in film are required to meet Florida State University's liberal studies requirements as specified in the "Undergraduate Degree Requirements" chapter of this *General Bulletin*. Film majors are also required to register for FIL 2001 Introduction to Film, (liberal studies fine arts credit) for Fall semester, and PHY 1075C Fundamentals of Physics, (liberal studies natural science credit) for Spring semester.

Transfer Students

Approximately 5 transfer students will be accepted into the College of Motion Picture, Television, and Recording Arts for admission each Fall semester, and they are required to have completed twenty-seven (27) semester hours of the liberal studies requirements prior to the Fall semester. Applications must be submitted separately to both the College of Motion Picture, Television, and Recording Arts and the Florida State University Office of Admissions. Applications are available online at <http://film.fsu.edu>. All applicants with an acceptable GPA (usually above 3.0) must submit a 500–1,000 word essay describing their background, artistic experiences, creative influences, personal objectives, and future career goals, as well as a résumé, two (2) letters of recommendation, transcripts from all high schools, colleges, and universities attended, and SAT (usually a minimum of 1200) or ACT (usually a minimum of 25) test scores. Any application that does not contain all of these items will be considered incomplete, and admission will be denied automatically. All application materials must be received by the College of Motion Picture, Television, and Recording Arts by December 15th for the applicant to be considered for admission the following fall semester. Applicants are not permitted to submit portfolio items such as VHS tapes, DVD's, writing samples, photos, etc. Transfer students must satisfy the same major requirements and curriculum as students who take all of their course work in the College of Motion Picture, Television, and Recording Arts.

Honors in the Major

The undergraduate Film School offers a program in honors in the major 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 Film School 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 Film School. Registration will be administratively canceled at the end of the second week of classes for any students failing to provide proof of insurance.

Film Studies Minor in the College of Motion Picture, Television, and Recording 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 (15) semester hours in courses approved for film studies. All students are required to take either FIL 2001 Introduction to Film, FIL 2030 Film History, or FIL 2000

Elements of Film. 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 e-mail Marie Behm, academic adviser, at mbehm@film.fsu.edu.

Core Courses (One Required of all Minors)

FIL	2000	Elements of Film (3)
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 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 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 (6) 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 3803. The Contemporary Cinema: Theory and Practice (3).** 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 (6) 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.
- FIL 3932r. Special Topics (3–12).** Prerequisite: Major status. An analysis of specialized topics in motion pictures. May be repeated to a maximum of twelve (12) semester hours. May be repeated during the same semester.

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 (12) 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 (9) semester hours.

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 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 (6) 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 (6) 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 (6) 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 (6) 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 (12) 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 (15) 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 (15) 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 (6) semester hours; may be repeated to a maximum of nine (9) 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 course work 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

Program in MULTINATIONAL BUSINESS OPERATIONS

COLLEGE OF BUSINESS

Program Director: Gary Knight; **Professor:** Giunipero; **Associate Professors:** Hartline, Knight; **Assistant Professors:** Kim, Lee

The curriculum in multinational business leads to the development of critical thinking ability and analytical thinking skills pertaining to the issues that are faced by firms in the international marketplace, particularly those that relate to strategy formulation and implementation. As such, the multinational business curriculum furnishes students with the professional skills necessary to conduct international business operations.

The multinational business program builds upon the liberal studies program of the University and the general business requirements of the College of Business. Additional work in anthropology, economics, geography, modern languages, and political science, in particular, is encouraged.

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 multinational business operations satisfy this requirement by earning a grade of “C–” or higher in CGS 2100.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. ACG X021 or ACG X001 and ACG X011
2. ACG X071
3. CGS X100*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Requirements for a Major in Multinational Business Operations

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 multinational business operations majors; 3) the general business core requirements for multinational business operations majors; 4) the general business breadth requirements for multinational business operations majors; and 5) the major area requirements for multinational business operations majors.

Note: To be eligible to pursue a multinational business operations major, students must meet the admission requirements of the College of Business. These admission requirements are described in the “College of Business” chapter of this *General Bulletin*.

General Business Core Requirements

All multinational business operations majors must complete the following five (5) 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 multinational business operations majors must complete five (5) 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) |
| MAN 3600 | Multinational Business Operations (3) |
| MAN 4720 | Strategic Management and Business Policy (3) |
- Plus two (2) electives from the following:
- | | |
|-----------------|--|
| HFT 3240 | Managing Service Organizations (3) |
| ISM 3003 | Foundations of Management Information Systems (3) |
| MAN 3504 | Services Operations Management (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

The multinational business operations major area requirements include four (4) components: foreign language, area studies courses, study abroad experience, and multinational business major area courses. Students must select a particular global interest area: Latin America, Europe, or the Far East. The foreign language courses, area studies courses, and study abroad experience are required to provide students a background in the global interest area selected.

Foreign Language (up to twelve [12] semester hours, depending on initial course placement)

Students must complete a foreign language through the intermediate (2200 or equivalent) level. Students should choose the language based on their global interest area: Latin America—Spanish or Portuguese; Europe—French, German, or Italian; Far East—Chinese (Mandarin) or Japanese. Students may choose another language with permission of the program director.

Area Studies Courses (twelve [12] semester hours)

Students must complete four (4) area studies courses from the approved course list for their selected global interest area. The area studies courses complement the foreign language taken. The approved course list for area studies courses is available from the College of Business Undergraduate Programs Office.

Study Abroad Experience

Students must complete at least six (6) semester hours from a complementary FSU International Programs study abroad program (or other approved study abroad experience) located in their global interest area.

Multinational Business Major Courses

All multinational business operations majors must complete four (4) courses as listed below. A grade of “C–” or better must be earned in each course.

- | | |
|-----------------|---|
| FIN 4604 | Multinational Financial Management (3) |
| MAN 4605 | Cross-Cultural Management (3) |
| MAR 4156 | Multinational Marketing (3) |

Plus one (1) elective from the following:

- | | |
|------------------|--|
| MAN 4610 | Resources and World Enterprises (3) |
| MAN 4680r | Selected Topics in International Management (3) |

Definition of Prefixes

- FIN**—Finance
MAN—Management
MAR—Marketing

Undergraduate Courses

FIN 4604. Multinational Financial Management (3). Prerequisites: FIN 3244 and FIN 3403. Introduces the student to financial management decision making in international environments through the use of cases, projects, and business games.

MAN 3600. Multinational Business Operations (3). Prerequisites: ECO 2013 and FIN 2023. Surveys the essentials of international production and trade and the problems managers encounter in international business environments.

MAN 4605. Cross-Cultural Management (3). Prerequisite: MAN 3240. 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 4610. Resources and World Enterprises (3). Prerequisites: ECO 2013 and ECO 2023. Focuses on the economics and politics of world energy. Examines OPEC, the world oil industry, consuming countries, and alternative energy sources.

MAN 4631. International Strategic Management (3). Prerequisites: ECO 2013, ECO 2023, and MAN 3600. 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 world-wide competitive advantage.

MAN 4680r. Selected Topics in International Management (3). Prerequisites: ECO 2013, ECO 2023, and MAN 3600. Selected topics in international management. Topics will vary depending upon the instructor for the course. May be repeated to a maximum of six (6) semester hours.

MAR 4156. Multinational Marketing (3). Prerequisites: MAR 3023 and MAN 3600. Introduces the student to marketing management decision making in international environments through the use of cases and/or business games.

MUSIC

COLLEGE OF MUSIC

Professors: Allen, Beckman, Bowers, Bridger, Chapo, Clary, Clendinning, Darrow, Delp, Drew, Dunnigan, Fenton, Fisher, Fredrickson, Gerber, Geringer, Gibson, Goff, Hoekman, Keesecker, Kowalsky, Kraus, Kubik, Lata, Madsen, Mastrogiacomo, Meighan, Ohlsson, D. Olsen, Ryan, D. Seaton, Standley, Thomas, Welch, Zwilich; **Associate Professors:** Amsler, Anderson, Andrews, Bakan, Bish, Brewer, Buchler, Callender, Close, Ebbers, Ford-Kronholz, Gaber, Gainsford, Gregory, Holzman, Jimenez, Jones, Jordan, Kelly, Kennedy, Mathes, Newdome, Peterson, Porter, Punter, Rogers, Roman, Sauer, Shaftel, Stebleton, Trujillo, Van Weelden, Von Glahn, Wingate; **Assistant Professors:** Barnhart, Brister-Rachwal, Gunderson, Koen, Lima, McKee, Moore, Nalley, Okerlund, Parks, Roberts, Stillwell, Williams; **Visiting Assistant Professors:** Adkins, Arsenault, Carrasco, Dunnavant, Filar, Villaverde, Wilson; **Program Directors:** Garee, Hodges, McArthur, Plack, G. Seaton, Walroth; **Faculty Librarian:** Clark; **Assistant Librarians:** Cohen, Froelich

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 music—performance (piano, piano pedagogy, organ, voice, music theatre, strings [violin, viola, cello, double bass], woodwinds, brass, percussion, harp, guitar [classical])
- Bachelor of music—composition
- Bachelor of music—music theory
- Bachelor of music—music therapy
- Bachelor of music education (choral, instrumental, general)
- Bachelor of Arts (BA) in music

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, 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 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Music

1. MUT X111*, MUT X112*, MUT X116*, MUT X117*
2. MUT X241*, MUT X242*, MUT X246*, MUT X247*
3. One course (four [4] semester hours) with the MUN prefix
4. Two to four (2–4) semester hours of MVx XX1X
5. Two to four (2–4) semester hours of MVx XX2X
6. Secondary piano* (proficiency by examination)

Additional courses are recommended, varying from track to track and institution to institution. Contact the department for details.

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes. Duplicate courses such as MVK X111r may be repeated up to four (4) times. Contact the department for details.

Music Composition

1. MUT X111*, MUT X112*, MUT X116*, MUT X117*
2. MUT X241*, MUT X242*, MUT X246*, MUT X247*
3. One course (four [4] semester hours) with the MUN prefix
4. Two to four (2–4) semester hours of MVx XX1X
5. Two to four (2–4) semester hours of MVx XX2X
6. Secondary piano* (proficiency by examination)

Additional courses are recommended, varying from track to track and institution to institution. Contact the department for details.

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes. Duplicate courses such as MVK X111r may be repeated up to four (4) times. Contact the department for details.

Music Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. MUT X111*, MUT X112*, MUT X116*, MUT X117*
 - b. MUT X241*, MUT X242*, MUT X246*, MUT X247*
 - c. MVx X1X1 and MVx X2X2 (two to four [2–4] semester hours each)
 - d. One course (four [4] semester hours) with the MUN prefix
 - e. Secondary piano* (proficiency by examination)

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes. Duplicate courses such as MVK X111r may be repeated up to four (4) times. Contact the department for details.

Additional courses are recommended, varying from track to track and institution to institution. Contact the department for details.

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Courses specified in category 4 may be applied to corresponding requirements in liberal arts and sciences noted above.

Music Performance

1. MUT X111*, MUT X112*, MUT X116*, MUT X117*
2. MUT X241*, MUT X242*, MUT X246*, MUT X247*
3. One course (four [4] semester hours) with the MUN prefix
4. Two to four (2–4) semester hours of MVx XX1X
5. Two to four (2–4) semester hours of MVx XX2X
6. Secondary piano* (proficiency by examination)

Additional courses are recommended, varying from track to track and institution to institution. Contact the department for details.

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes. Duplicate courses such as MVK X111r may be repeated up to four (4) times. Contact the department for details.

Music Theory

1. MUT X111*, MUT X112*, MUT X116*, MUT X117*
2. MUT X241*, MUT X242*, MUT X246*, MUT X247*

3. One course (four [4] semester hours) with the MUN prefix
4. Two to four (2–4) semester hours of MVx XX1X
5. Two to four (2–4) semester hours of MVx XX2X
6. Secondary piano* (proficiency by examination)

Additional courses are recommended, varying from track to track and institution to institution. Contact the department for details.

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes. Duplicate courses such as MVK X111r may be repeated up to four (4) times. Contact the department for details.

Music Therapy

1. MUT X111*, MUT X112*, MUT X116*, MUT X117*
2. MUT X241*, MUT X242*, MUT X246*, MUT X247*
3. One course (four [4] semester hours) with the MUN prefix
4. Two to six (2–6) semester hours of MVx XX1X
5. Two to six (2–6) semester hours of MVx XX2X
6. Secondary piano* (proficiency by examination)

Additional courses are recommended, varying from track to track and institution to institution. Contact the department for details.

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes. Duplicate courses such as MVK X111r may be repeated up to four (4) times. Contact the department for details.

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 Arts Administration

Master of Arts in Music

General Track

Piano Technology Track

Master of Music

Music Theory

Music Therapy

Musicology (both historical and ethnomusicology)

Master of Music in Composition

Master of Music in Music Education

Master of Music in Opera Production

Master of Music in Performance

Doctor of Music in Composition

Doctor of Music in Performance

Doctor of Philosophy in Music Education

Doctor of Philosophy in Music Education (Music Therapy Track)

Doctor of Philosophy in Music (specializations in historical musicology, ethnomusicology, and music theory)

The Doctor of Philosophy (PhD) degree in humanities with an emphasis in music is available from the College of Arts and Sciences.

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 (4) semester hours.

MUC 3231r. Composition (3). Prerequisites: MUC 2221r and instructor permission. For composition majors only. May be repeated to a maximum of six (6) 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 (6) semester hours.

MUC 3620r. Jazz Composition (3). Techniques of creative jazz composition and literature. May be repeated to a maximum of (6) semester hours.

MUC 4103r. Composition (2). Prerequisite: MUT 2117. For non-composition majors only. May be repeated to a maximum of four (4) semester hours.

MUC 4241r. Composition (3). Prerequisite: MUC 3231r. For composition majors only. May be repeated to a maximum of six (6) semester hours.

Music Education

MUE 1090. Orientation to Music Education/Music Therapy (1). (S/U grade only.)

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-voice 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 [1] hour each.) Required of all music education majors. MUE 3495r and 3496r each may be repeated to a maximum of four (4) 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 (2) hours per week of volunteer service throughout the semester. May be repeated to a maximum of three (3) 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 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 or MUH 2513. 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. Keyboard Literature: Baroque–Early Classic (2). Required of piano and harpsichord performance majors.

- MUL 3482. Keyboard Literature: Classic–Early Romantic (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 Classic period to the present.
- MUL 4441–4442. Solo Music Literature Seminar: Winds (three [3] hours each.)** 4441 Woodwinds, 4442 Brasses.
- MUL 4483. Keyboard Literature: Romantic Period (2).** Required of piano performance majors.
- MUL 4484. Keyboard Literature: 20th Century (2).** Required of piano performance majors.
- 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 (24) semester hours.
- 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 [2] 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 (12) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) semester hours.
- MUN 2472r. Baroque Ensemble (0–1).** Prerequisite: Instructor permission. May be repeated to a maximum of four (4) 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 (4) semester hours.
- MUN 2510r. Piano Vocal/Instrumental Accompanying (0–1).** May be repeated to a maximum of four (4) 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 (4) 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 (4) semester hours.
- MUN 2800r. World Music Ensemble (0–1).** Prerequisite: Instructor permission. May be repeated to a maximum of four (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) 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 (4) semester hours.

MUN 4475r. Baroque Ensemble (0–1). Prerequisite: Instructor permission. May be repeated to a maximum of four (4) 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 (4) semester hours.

MUN 4513r. Piano Vocal/Instrumental Accompanying (0–1). May be repeated to a maximum of four (4) 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 (4) 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 (4) semester hours.

MUN 4803r. World Music Ensemble (0–1). Prerequisite: Instructor permission. May be repeated to a maximum of four (4) 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 (4) 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 (8) semester hours.

MUO 4451r. Performance of Stage Role (1–2). Prerequisite: Audition. May be repeated to a maximum of eight (8) 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 (4) 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 (4) 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 3341r. Laboratory for Music Instrument Digital Interface (2). Laboratory application of MUS 3340. May be repeated to a maximum of six (6) semester hours.

MUS 3500. Seminar in Music Technology (2). Practical and theoretical issues in music technology: purchasing and evaluating computer music systems, music hardware and software issues, copyrights and ethics in technology, historical contexts, societal and educational issues, future directions in computers and music, and other issues.

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 3500 or 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 (6) 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 (6) semester hours.

MUS 3540. Electronics for Musicians (3). Prerequisite: MUS 3500. 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 3932r. Computer Music Project (1). Prerequisites: Instructor permission. This course covers the development of computer-based hardware and/or software projects in music technology. May be repeated to a maximum of three (3) semester hours.

MUS 3934r. Special Topics in Music (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of nine (9) 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 (4) 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 mélodies 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 (9) semester hours.

MUS 4905r. Directed Individual Study (1–3). Prerequisite: Instructor permission. May be repeated to a maximum of (9) 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 (6) 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 (4) semester hours.

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 (1) 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 (3) 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 (3) 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 [2] 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.

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 4940r. Clinical Internship in Music Therapy (1–12). (S/U grade only.) Prerequisite: Completion of all course work in music therapy. Six-month resident internship in an affiliated, approved clinical center. May be repeated once only and to a maximum of twenty (20) semester hours.

Applied Music

MV(B, J, K, O, P, S, V, W) 1010r–1019r. Applied Music (two [2] 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 (4) 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 (1) 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 [1–2] hours each). All instruments. Principal only. May be repeated to a maximum of four (4) 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 (2) 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 [2] hours each). Private instruction. For students whose curriculum requires study of a secondary instrument. Each course may be repeated to a maximum of four (4) 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 [2] hours each).** Private instruction. Principal instrument. For students whose major is not performance. Each course may be repeated to a maximum of six (6) 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 [4] hours each: piano, harpsichord, organ, strings, harp, guitar; three [3] 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 (12) semester hours by piano, harpsichord, organ, string, harp, and guitar majors; nine (9) 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 (2) 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 [2] 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 (4) semester hours. Credit may be modified by electing MVO 2220, 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) 2320r–2329r. Applied Music Principal (two [2] 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 (6) 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 [4] hours each: piano, harpsichord, organ, strings, harp, guitar; three [3] 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 (12) semester hours by piano, harpsichord, organ, string, harp, and guitar majors; nine (9) 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 (2) 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 (2) 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 (2) 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 [2] 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 (4) semester hours. Credit may be modified by electing MVO 3230, all instruments. All MVH courses may be taken for one (1) or two (2) credit hours.
- MV(B, J, K, O, P, S, V, W) 3330r–3339r. Applied Music Principal (two [2] 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 (6) 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 [5] hours: harp; four [4] hours each: piano, harpsichord, strings, woodwinds, brasses, percussion, guitar; three [3] 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 (15) semester hours by harp majors; twelve (12) semester hours by piano, harpsichord, string, woodwind, brass, percussion, and guitar majors; nine (9) 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 (2) semester hours.
- MVS 3530r. String Repertory (1).** Required of string performance majors. May be repeated to a maximum of two (2) semester hours.
- MVV 3532r. Musical Theatre Repertoire (1).** Prerequisite: Instructor permission. For music theatre majors. Course may be repeated to a maximum of four (4) 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 (2) 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 (2) semester hours.

MVV 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 (4) semester hours.

MVV 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 (4) 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 [2] 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 (4) 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 [2] 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 (12) semester hours, except MVJ series which may only be repeated to a maximum of six (6) 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 [5] hours each: piano, harpsichord, harp; four [4] hours each: organ, strings, woodwinds, brasses, percussion, guitar; three [3] 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 (20) semester hours by piano, harpsichord, organ, and harp majors; sixteen (16) semester hours by string, woodwind, brass, percussion, and guitar majors; twelve (12) 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 (2) semester hours.

MVV 4542r. Musical Theatre Repertoire (1). Prerequisite: Instructor permission. For music theatre majors. Course may be repeated to a maximum of four (4) 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 (2) 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 (4) 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).

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 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

- 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).
- MUH 5305.** Seminar in Performance Practice I: Musical Performance During the Middle Ages and Renaissance (3).
- MUH 5306.** Seminar in Performance Practice II: Musical 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 5380.** Music in the Humanities (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 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 5375.** Music Since World War II (3).
MUL 5412. Solo Music Literature Seminar Piano: Baroque to Classic (2).
MUL 5413. Solo Music Literature Seminar Piano: Classic to Romantic (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 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 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 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 5677. Seminar in Opera Literature: Monteverdi to the Present (2).
MUL 5678. Seminar in Opera Literature: The Music Dramas of Wagner (2).
MUL 5751. Pedagogy of Music Literature and Appreciation (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 5505. Seminar in Music Technology (2).
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 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 5933r. Computer Music Project (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.)
MVW 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 5587. Classic, Romantic, and 20th-Century Styles (3).
MUT 5618. Analysis of Masterworks 1700–1950 (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 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 [2] 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 [2] 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 [4] hours each) (MVV 5451 three [3] 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 [2] 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 [2] hours each).
- MVO 6260r.** Modified credit, All Instruments (1).
- MV(B, K, O, S, V, W) 6360–6369r.** Applied Music Principal (two [2] hours each).
- MVO 6360r.** Modified credit, All Instruments (1).
- MV(B, K, O, P, S, V, W) 6460r–6469r.** Applied Music Major (four [4] 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
- MVW 6461r.** App Mus Maj, Flute
- MVW 6462r.** App Mus Maj, Oboe
- MVW 6463r.** App Mus Maj, Clarinet
- MVW 6464r.** App Mus Maj, Bassoon
- MVW 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, S, V, W) 6985–6989.** Doctoral Recital (one to four [1–4] hours each). (S/U grade only.)
- MVP 6985–6988.** Doctoral Recital (one to four [1–4] hours each). (S/U grade only.)

For listings relating to graduate course work for thesis, treatise, dissertation, and master’s and doctoral examinations and defense, consult the *Graduate Bulletin*.

NEUROSCIENCE:
see *Graduate Bulletin*

NURSING

COLLEGE OF NURSING

Professors: Frank, Grubbs, Karioth, Mason, Plowfield, Speake; **Associate Professors:** Cottrell, Hauber, Ryan; **Assistant Professors:** Cormier, Porterfield, Smith, Wall, Whyte, Zeni; **Associates in Nursing:** Barbour, King, Tucker; **Assistants in Nursing:** Abendroth, Cuchens, DeYoung, Studenic-Lewis, Richbourg, Smith

The College of Nursing offers a bachelor of science in nursing (BSN) for traditional and registered nurse 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 traditional graduate of the 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.

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 care plans for providing nursing care to 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*.

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 satisfy this requirement by earning a grade of "C" or higher in NUR 3167.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. BSC X085C or any human anatomy and physiology I or human anatomy
2. BSC X086C or any human anatomy and physiology II or human physiology
3. Four to six (4–6) semester hours of chemistry (CHM prefix), which must be comprehensive college general chemistry (such as CHM X030 or CHM X0320) but not lower level principles courses (such as CHM X025). Contact the department for exceptions.
4. DEP X004 or any human growth and development across the life span
5. HUN X201 (or any human nutrition) or NUR X192
6. MCB X010C or any microbiology with lab
7. PSY X012 or any general psychology
8. STA X014 or any statistics course
9. SYG X000 or any introduction to sociology

Definition of Prefixes

NGR—Nursing: Graduate

NUR—Nursing: Generic Undergraduate

Undergraduate Courses

Theory/Laboratory Courses Required

NUR 3026. Nursing Competencies for Professional Practice (3). Prerequisite: Admission to the nursing program. Corequisite: NUR 3026L. This course provides the basis for professional nursing practice. Included are concepts of basic human physical needs; technical, computer, and therapeutic communication skills; documentation (based on medical terminology), group process; nursing process; and APA.

NUR 3026L. Nursing Competencies for Professional Practice Lab (2). Prerequisite: Admission to the nursing program. Corequisite: NUR 3026. This course supports concepts presented in NUR 3026 Nursing Competencies for Professional Practice. The application of competencies and skills occurs in laboratory and various clinical settings.

NUR 3066. Nursing Assessment of the Well Family: A Lifespan Approach (2). Prerequisite: Admission to the nursing program. Corequisite: NUR 3066L. This course introduces the beginning nursing student to the parameters, procedures, and skills required to perform and document a holistic assessment of clients in all age groups. Included are communication and interview techniques in compiling a health history, technical skills in performing a physical exam, and critical thinking skills in doing a health risk appraisal and formulating nursing diagnoses appropriate to identified problems. Clients' cultural differences, developmental stage, family structure, economic situation, and health behaviors are considered when evaluating health status.

NUR 3066L. Nursing Assessment of the Well Family: A Lifespan Approach Lab (1). Prerequisite: Admission to the nursing program. Corequisite: NUR 3066. The focus of this course is on the application of knowledge and skills utilized in assessing a client's health status. The laboratory and various clinical sites are utilized in assessing diverse client populations across the life span. Critical thinking, along with interactive and technical skills, are used in gathering data for a health history, performing a physical exam, identifying health risks and problems, documenting findings, and formulating a nursing diagnosis. A holistic approach is utilized in assessing the health of primarily healthy clients and in developing a health database.

NUR 3146. Pharmacology for Professional Nursing (2). Prerequisite: Admission to the nursing program. Using the science of pharmacology and pharmacological principles underlying therapeutic interventions, this course focuses on the introduction to nursing care regarding pharmacological theory, major classifications, and common characteristics of drugs.

NUR 3167. The Research Process for Professional Practice (2). Generic BSN Program Prerequisite: Semester I courses. RN to BSN Program Prerequisite: Admission to the nursing major. This introductory course will assist students in conceptualizing both the basic research process and the importance of research to nursing, and will enable students to understand and use published healthcare research.

NUR 3226. Nursing the Adult Family I (3). Prerequisites: Semester I courses. Corequisite: NUR 3226L. This is the first of three courses focusing on the adult. Emphasis is on general body responses and alterations in disease, pathophysiology, and holistic nursing management of the continuum of care for patients and their families in acute care settings. Critical thinking and problem solving skills are utilized to plan interventions and evaluate outcomes appropriate to health care needs for adults and their families based on the state of the disease course and their special needs. Concepts and alterations in physiologic stress and adaptation, fluid and electrolyte balance, acid/base balance, immune/inflammation response, and cellular proliferation serve as a foundation for all levels of care. Principles of rehabilitation are presented for application in all clinical courses. Diabetes, complications of surgery, and alterations in digestive and orthopedic systems are presented.

NUR 3226L. Nursing the Adult Family I Laboratory (2). Prerequisites: Semester I courses. Corequisite: NUR 3226. Focus of this laboratory course is the application of technological competencies, concepts and principles, and the nursing process while providing interventions to adults and their families in the acute care and appropriate community care settings. Effectiveness of the interventions and expected outcomes are evaluated.

NUR 3286. Nursing the Aging Family (2). Prerequisite: Nursing major status. Utilizing a holistic perspective, this course explores the older adult family, the aging process, client responses, adaptive behaviors, and nursing needs. The focus is on promoting client independence and maximizing quality of life among the age continuum through end-of-life care. Nursing and aging theories are utilized in the application of the nursing process.

NUR 3535. Mental Health Nursing (3). Prerequisites: Semester I courses. Corequisite: NUR 3535L. This course focuses on individuals and small groups experiencing acute and chronic behavioral problems. Critical thinking is used to apply psychiatric and nursing theories to the care of these clients and families in various healthcare settings. Content includes the effect of mind/body disturbances on biopsychosocial functioning, mental status, relationships, and families. Nursing care of individuals and families with maladaptive behavioral, cognitive, affective, and physical assessments as well as somatic, behavioral, and environmental interventions also are explored.

NUR 3535L. Mental Health Nursing Laboratory (3). Prerequisites: Semester I courses. Corequisite: NUR 3535. This laboratory applies psychiatric and nursing theories to individuals and small groups experiencing acute and chronic behavioral problems in various healthcare settings.

NUR 3615. Introduction to Family and Community Nursing (2). Prerequisite: Admission to the nursing program. This course focuses on core systems of individual, family, and community nursing that provide the framework of the BSN program. Concepts discussed include: Pender's health belief model; cultural, social, and epidemiological factors relative to health and illness: concepts of acuity/chronicity and crisis; systems theory; rehabilitation concepts; family and group theory, communication, and dynamics.

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 3825. Values, Roles and Issues in Professional Nursing (2). Prerequisite: Admission to the nursing program. This course focuses on roles, ethics, values, and the image of the nursing profession; introduction to nursing research, nursing theory, nursing model of practice, teaching/learning, and the health care system; diversity, caring, and synchrony across the lifespan; and emphasis on nursing values such as altruism, autonomy, dignity, integrity, and social justice.

NUR 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

NUR 4069C. Advanced Health Assessment (3). Pre- or Co- requisites: NUR 3167, NUR 3286, and 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 4107. Nursing and the Healthcare System (2). Generic BSN Program Prerequisites: Semester I and II courses. RN to BSN Program Prerequisite: Nursing major status. This course is an introduction to current healthcare delivery systems on local, regional, national, and global levels. Concepts of managed health care, case management, reimbursement, legal/ethical risk management, quality outcomes, diversity and complexity of population at risk, and conservation of resources are emphasized.

NUR 4227. Nursing the Adult Family II (3). Prerequisites: Semester I and II courses. Corequisite: NUR 4255L. This is the second of three courses focusing on the adult. Emphasis is on alterations in disease, both acute and chronic; pathophysiology; and nursing management of the continuum of care for patients and their families in acute care and appropriate community care settings. Critical thinking and problem solving skills are utilized to plan interventions and elevate outcomes appropriate to health care needs for adults and their families based on the stage of the disease course and their special needs. Alterations in cardiac, vascular, hematologic, respiratory, sensory/neurologic, and endocrine (other than diabetes) systems are presented.

NUR 4227L. Nursing the Adult Family II Laboratory (2). Prerequisites: Semester I and II courses. Corequisite: NUR 4255L. The focus of this laboratory course is the application of technological competencies, concepts, principles, and the nursing process while providing interventions to adults and their families in the acute care and appropriate care settings. Effectiveness of the interventions and expected outcomes are evaluated.

NUR 4465. Nursing Care of the Childbearing/Childrearing Family (4). Prerequisites: Semester I and II courses. Corequisite: NUR 4465L. This course focuses on individuals and their families during the childbearing and childrearing phases of family development. Physiologic, psychologic, sociocultural, and pathophysiologic processes associated with bearing 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 healthy status of family members are emphasized.

NUR 4465L. Nursing Care of the Childbearing/Childrearing Family Laboratory (3). Prerequisites: Semester I and II courses. Corequisite: NUR 4465. This laboratory course expands the application of the nursing process and nursing roles to the specialized care required by childbearing and childrearing families in a variety of settings.

NUR 4619. Community Nursing: A Synthesis of Care (1). Prerequisites: Semester I, II, and III courses. Corequisite: NUR 4619L. This course requires the synthesis of competencies, caring, and commitment established in previous and current courses. This synthesis consolidates two fundamental aspects of nursing practice as established by the American Association of Colleges of Nurses: "care of the sick in and across all environments and health promotion." Application of concepts such as acuity/chronicity, utilization of resources, and quality of outcomes for individuals, families, and communities is required. Concept mapping and case studies are employed.

NUR 4619L. Community Nursing: A Synthesis of Care Laboratory (1). Prerequisites: Semester I, II, and III courses. Corequisite: NUR 4619. Home visits to multi-generational families utilizing concepts of care management, case presentations, and community assessment are employed in this laboratory course.

NUR 4637. Public Health Nursing (2). Generic BSN Program Prerequisites: Semester I, II, III, and IV courses. RN to BSN Program Prerequisites: NUR 4835 and NUR 4835L. Corequisite: NUR 4637L. The course focuses on complexity and diversity of groups or aggregates within communities and their corresponding health care needs. The third fundamental aspect of nursing practice established by the American Association of Colleges of Nurses, "population based health care," is addressed. Topics include: the philosophy and concepts of public health nursing, comparison to community health, and the role of the public health nurse as a leader, change agent, case finder, and case manager in settings such as schools, industry, correctional institutions, group homes, sheltered workshops, and clinical settings. The family structure and its impact on healthcare, environmental safety, effects of poverty, epidemiology, communicable disease, resources (Centers for Disease Control and research), impact of violence in community settings, disaster (both natural and man-made), and global and environmental health also are examined.

NUR 4637L. Public Health Nursing Laboratory (2). Generic BSN Program Prerequisites: Semester I, II, III, and IV courses. RN to BSN Program Prerequisites: NUR 4835 and NUR 4835L. Corequisite: NUR 4637. This course utilizes the findings from the community assessment performed in NUR 4619. Implementation of an appropriate project is performed. Clinical experiences are conducted with the guidance of a preceptor and may occur in a variety of settings.

NUR 4767. Nursing the Adult Family III (3). Prerequisites: Semester I, II, and III courses. Corequisite: NUR 4767L. This is the last of three courses focusing on the adult. Emphasis is on complex multi-system problems, pathophysiology, and holistic nursing management of the continuum of care for patients and their families in acute care and appropriate community care settings. Critical thinking and problem-solving skills are utilized to plan interventions and to evaluate outcomes appropriate to health care needs for adults and their families based on the stage of the disease course and their special needs. The complexity of nursing management related to burns, brain, and spinal cord injuries; DIC; multi-system trauma; multi-system failure; and organ transplantation is presented. Principles and issues related to end-of-life, hospice, and critical care are presented for application in practice.

NUR 4767L. Nursing the Adult Family III Laboratory (2). Prerequisites: Semester I, II, and III courses. Corequisite: NUR 4767. The focus of this laboratory course is the application of technological competencies, concepts, and principles, and the nursing process while intervening with adults and their families in the acute care and appropriate community care settings. Effectiveness of the interventions and expected outcomes are evaluated. Care of patient with complex problems is emphasized.

NUR 4835. Professional Nursing Leadership and Management (2). Generic BSN Program Prerequisites: Semester I, II, III, and IV courses. RN to BSN Program Prerequisites: NUR 4080 and 4080L. Corequisite: NUR 4835L. This course focuses on concepts, principles, and theories of leadership, management, role development, and administration. 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, managing quality and performance, and teaching are emphasized.

NUR 4835L. Professional Nursing Leadership and Management Laboratory (2). Generic BSN Program Prerequisites: Semester I, II, III, and IV courses. RN to BSN Program Prerequisites: NUR 4080 and NUR 4080L. Corequisite: NUR 4835. Clinical experiences in a variety of settings will be examined.

NUR 4945. Professional Nursing Internship (4). (S/U Grade only.) Prerequisites: Semester I, II, III, and IV courses. 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

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 3077. Medical Terminology (3). This course is designed to help students understand the origins of medical terms. The course will equip future members of the health care industry with a medical vocabulary. Suffixes and prefixes are reviewed. The body is approached systematically to discuss its anatomy and physiology and its basic pathology. Also discussed are those terms pertaining to relevant assessment procedures.

NUR 3135. Men's Health (3). Prerequisite: Other college-level biology or instructor permission. This survey course in the health and wellness minor focuses on concerns of men in maintaining their health. Over the lifespan, lifestyle issues such as recreation, employment, violence, and sexuality are addressed. Diseases that are of concern to males are emphasized, including prostate and colon cancer, cardiovascular disease, sexual problems, and sports injuries.

NUR 3195. The Individual, Death, and the Family (2). Prerequisite: REL 3191 or instructor permission. Explores concepts of the death and dying process as related to the role of health care givers. Direct participation with dying clients and families may be provided.

NUR 3396. Child Life in Health Care Settings (3). Prerequisites: FAD 3220 and NUR 3090. This course is designed primarily for students interested in care of children with a focus on the child with health interferences in development due to varying degrees of illness. Addresses individual and family, community, organizational, and institutional concerns and the role of the child life specialist on the health care team. This course is appropriate for students in child life, social work, special education, and any field where child development is a concern.

NUR 3495. Women's Health Issues: Concerns Through the Life Cycle (3). Prerequisite: BSC 1005 or BSC 2011 or instructor permission. 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.

NUR 3655. 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.

NUR 3695. Health and Health Alterations in the Family and Community (3). A survey course designed to help the student look at the health care professional as an agent for health promotion. The health promotion agent looks at health and health alterations in the individual, family, and community. Students will explore the concepts of health promotion, health alterations, and disease prevention, including the influence of health care agents, political and economic factors on health promotion, disease prevention, and future trends.

NUR 3935. 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 4642. 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 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 (6) 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 (9) semester hours.

NUR 4935. Legislative Influences on Health Care and Nursing Practice (3). Current health care issues and their impact on consumers and providers are analyzed.

NUR 4975r. Honors Thesis (1-6). May be repeated for a maximum of nine (9) semester hours.

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Graduate Courses

NGR 5002C. Health Assessment for the Advanced Practice Nurse (4).

NGR 5051C. Advanced Wound Management (2).

NGR 5052C. Clinical Nurse Specialist Care Management I (5).

NGR 5099C. Advanced Skills for the Advanced Practice Nurse (2).

NGR 5102. Theories for Advanced Practice (3).

NGR 5130. Contemporary Clinical Ethics in Health Care (3).

NGR 5135. Health Policy, Legal and Ethical Considerations for Advanced Practice (2).

NGR 5172. Pharmacology for Advanced Practice (3).

NGR 5250. Issues in Geriatrics Seminar (1).

NGR 5303L. Pediatric Nurse Practitioner Practicum (5).

NGR 5305. Issues in Pediatrics Seminar (1).

NGR 5331C. Advanced Management for the Pediatric Nurse Practitioner I (6).

NGR 5332C. Advanced Management for the Pediatric Nurse Practitioner II (7).

NGR 5370. Pharmacology for Pediatric Nurse Practitioners (3).

NGR 5481. Women's Health Seminar (1).

NGR 5503. Advanced Practice Psychiatric Nursing Seminar (1).

NGR 5601C. Advanced Management of the Family I (6).

NGR 5602C. Advanced Management of the Family II (7).

NGR 5637C. Clinical Nurse Specialist Care Management II (6).

NGR 5700. Advances and Trends in Adult Health Nursing (1).

NGR 5713C. Curriculum Theory and Design for Nursing Education (3).

NGR 5714C. Teaching Methods for the Nurse Educator (4).

NGR 5718C. Evaluation Methods in Nursing Education (4).

NGR 5719. Issues in Nursing Education (1).

NGR 5726. Fiscal Responsibility and Outcomes Management (3).

NGR 5740. Role Development for Advanced Practice (2).

NGR 5754. Fundamentals of Teaching for Master's Students (1).

NGR 5758L. Nurse Practitioner Practicum (2-5).

NGR 5800. Research in Nursing (3).

NGR 5843. Application of Descriptive and Inferential Statistics for the Health Profession (4).

NGR 5905r. Directed Independent Study (1-3).

NGR 5910r. Supervised Research (1-3).

NGR 5911r. Research Project (3-6). (S/U grade only).

NGR 5930r. Special Topics in Nursing (1-3).

NGR 5941Lr. Supervised Teaching (1-5).

NGR 5945L. CNS/Case Care Manager Practicum (2-5).

NGR 5946L. Clinical Nurse Specialist Case Management Practicum (7).

NGR 6947L. Teaching of Nursing Practicum (5).

Department of NUTRITION, FOOD, AND EXERCISE SCIENCES

COLLEGE OF HUMAN SCIENCES

Chair: Arjmandi; **Professors:** Haymes, Hsieh, Ilich-Ernst, Moffatt, Sathe; **Associate Professors:** Abood, Dorsey, Levenson, Panton, Rankins; **Assistant Professors:** Figueroa, Kim, Spicer; **Assistant in Nutrition:** Hemphill; **Associate in Athletic Training:** Sehgal, Garber; **Adjunct Professors:** Cook, Hingst, Plettl, Stapell, Stowers; **Research Associate in Food Service/Management:** Truesdell; **Professors Emeriti:** Erdman, Harris, Kassouny, Toole; **Affiliate Faculty:** Boche, Fuqua, Gibson, Latimer, Lunt, Oravetz, Pappas, Pfeil, Soumah; **Courtesy Professor:** Chatt-Ellis, Daggy; **Advisory Board Members:** Daggy, Derman, Hennig, Koo, Shay, Weaver

The Department of Nutrition, Food and Exercise Sciences offers three Bachelor of Science degrees: Food and Nutrition, Exercise Science, and Athletic Training. There are two majors under the food and nutrition degree: Dietetics and Food and Nutrition Science. Students majoring in exercise science earn a degree in exercise science, and students majoring in athletic training earn a degree in athletic training.

The purpose of the dietetics major 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 Commission on Accreditation for Dietetics Education (CADE) of the American Dietetic Association (ADA), 120 South Riverside Plaza, Suite 2000, Chicago, IL 60606-6995; (312) 899-0040 (ext. 5400). Students who graduate with a degree in dietetics meet the academic requirements for the DPD verification statement. Graduates of the DPD program are eligible to apply to graduate school and/or post-baccalaureate, accredited dietetic internships. The dietetic internship, which provides the competencies for the supervised practice component of dietetics education, is in turn required for eligibility to take the national Registration Examination for Dietitians. Careers are available for dietitians in clinical, research, community, food service, management, and educational settings and consulting.

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.

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 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 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 twelve (12) hours of FSU course work (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 resume, two letters of recommendation, official copies of all post-secondary transcripts, SAT scores, and current enrollment in or completion of PET 1638.

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 (6) semesters to complete all clinical rotations. Please see the Athletic Training Education Program Web site for retention policies.

Requirements for Majors

For students not subject to mapping, as a prerequisite for entry into each undergraduate major, students must achieve a grade of "B-" or higher in HUN 1201 and a grade of "C-" or better in any course work required for the individual major.

In order to graduate with a degree in food and nutrition, exercise sciences, or athletic training, students must have a minimum GPA of 2.5 and a grade of "C-" or better in all required courses, with the exception of PET 3322, in which a grade of "C+" or higher is required. Students who have not met the academic requirement of "C-" or better in required courses cannot be admitted into the major until that requirement is satisfied.

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, if BSC 2010L is taken at FSU. 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 course prerequisites for these University degree programs. These prerequisites are lower level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutes necessary for the athletic training, dietetics and exercise science majors:

Athletic Training

1. BSC X010/X010L
2. CHM X045/X045L
3. PHY X053/X053L
4. PSY X012
5. HUN X201*
6. STA X023 or STA X122
7. BSC X093*
8. BSC X094*

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Dietetics

1. BSC X010
2. BSC X085/X086 and X085L and X086L or BSC X085C/X086C or BSC X093C/X094C, or PET 3201C or HSC 3549 or PCB 3702*
3. CGS X060 or CGS X061
4. CHM X200C, or CHM X210/X210L and CHM X211/X211L
5. CHM X045/X045L and CHM X046/X046L or CHM X030C (**Note:** CHM X030C and CHM X025C, each by itself, can substitute for CHM X045/X045L and CHM X046/X046L)
6. ECO X013 or ECO X023 or ECO X000
7. HUN X201 or NUR X192
8. MAC X105 or MAC X142
9. MCB X004/X004L or MCB X020C or MCB X020/X020L or MCB X013C
10. PSY X012 or PSY X020 or PSY X113

Exercise Science

1. Six (6) semester hours of English composition (ENC prefix)
2. MAC X140
3. MAC X114 or MAC X311 or equivalent
4. CHM X045/X045L and CHM X046/X046L
5. HUN X201

6. PSY X012 or PSY X013
7. BSC X010/X010L and BSC X011/X011L
8. PET X320C or 3301C
9. PET X350C or PET 3302C

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). For oral communication, HEE 4054 is certified.
3. **College of Human Sciences Core.** The college core is to be met by taking the following courses: HOE 3050, FAD 2230, and HEE 4054 or FAD 4601.
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 2023.

Bachelor of Science

The Department of Nutrition, Food and Exercise Sciences offers three bachelor of science degrees: food and nutrition, exercise science, and athletic training. 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 major chosen. Additional courses may be required to complete the one hundred twenty (120) semester hours required for the degrees. A minimum grade of “C–” or better must be earned for all required courses, except for HUN 1201, which requires a grade of “B–” or higher, and PET3322, which requires a grade of C+ or higher. A course may not be retaken more than twice (for a total of three times).

The following are the specific requirements for each major within the degree of food and nutrition (dietetics, and food and nutrition sciences), athletic training, and exercise science. Students must meet the curriculum requirements in effect at the time they enter the major.

Dietetics. See liberal studies requirements, college and department core, and common prerequisites. CHM 1032C, 2200 and lab; BCH 3023C; DIE 3005, 4244, 4244L, 4310; FAD 2230, 4601; FOS 3026, 3026L, 4114C, 4209; FSS 4135, 4315; HEE 4054, HUN 3224, 3226, 3403; PET 3322, 3322L, 3361 and electives (to meet graduation requirements). Dietetics majors may take specified electives for an emphasis in food promotion.

Food and Nutrition Science. Lower division: see liberal studies, college core, plus: BSC 2010, 2010L; CHM 1045, 1045L, 1046, 1046L, 2210, 2211, 2211L; ECO 2013 or equivalent; FAD 2230; FOS 2125; HUN 1201; MAC 1114, 1140, 2311; MCB 2004, 2004L; PHY 2053C; PSY 2012; STA 2122 or 2023. Upper division: BCH 3023C; CHM 3120C; FOS 3026, 3026L, 4114C, 4209; HEE 4054; HUN 3224, 3226; PET 3322, 3322L or PCB 3063 or 3134; and electives to meet graduation requirements. At least ten [10] semester hours must be at the 3000–4000 level.

Exercise Science. Lower division: see liberal studies and college core, plus: BSC 2010, 2010L, 2011, 2011L; CHM 1045, 1045L, 1046, 1046L, 2200, and 2200L or 2210, 2211 and 2211L; HUN 1201; MAC 1114, 1140; PHY 2053C, 2054C; PSY 2012; STA 2122. Upper division: BCH 3023C; HEE 4054 or FAD 4601, FAD 2230; HUN 3224, 3226; PET 3102, 3322, 3322L, 3323C, 3380C, 4551C; and three courses for a minimum of nine (9) credit hours from the following list: HSC 4711; PET 3310, 3321, 3361, 4076, or 3932 (Special Topics: Strength and conditioning or Exercise and Disease) and electives (to meet graduation requirements). 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.

Athletic Training. HEE 4054; HSC 2400, 4711; HUN 1201; FAD 2230, MAC 1105, 1114, 1140; PET 1638, 1941, 2942; PSY 2012; STA 2122. Upper division: HSC 4711; PET 3310, 3322, 3322L, 3323C, 3361*, 3380C, 3621*, 3627C*, 3633C*, 3634C*, 3660*, 3932*, 3940(6), 3943, 4623*, 4625*, 4632C*, 4944, 4946, 4947. 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, clinical, and field experiences as resident students. Completion of clinical courses requires a minimum of six (6) semesters. Due to Commission on Accreditation of Athletic Training Education (CAATE) accreditation standards, all athletic training courses required for the major must be taken at Florida State University.

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 (6) 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 (MS) in nutrition and food science, the master of science (MS) in movement science, the doctor of philosophy (PhD) in human sciences, and the doctor of philosophy (PhD) in movement science. Consult the *Graduate Bulletin* for details.

Definition of Prefixes

APK—Applied Kinesiology

DIE—Dietetics

FOS—Food Science

FSS—Food Service System

HSC—Health Sciences

HUN—Human Nutrition

PET—Physical Education Theory

Undergraduate Courses

APK 3300. First Responder (3). 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.

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.

HSC 2400. First Aid (2). Successful completion allows students to earn American Red Cross certification as a professional rescuer. This includes adult CPR, child CPR, and first aid. In addition, OSHA recommendations, blood borne pathogen precautions, and injuries will be discussed.

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 1638. Introduction to Athletic Training (1). (S/U grade only.) Prerequisite: 2.5 GPA. This course provides an introduction to clinical athletic training/sports medicine. Students are introduced to and evaluated on basic skills and theories related to clinical and field practices. The course content is based on competencies and proficiencies set forth by the Commission of Accreditation of Allied Health Education Programs (CAAHEP) and by the National Athletic Trainers’ Association (NATA).

PET 1941. Athletic Training Clinical I (1). (S/U grade only.) Prerequisite: PET 1638. This course is an introduction to and evaluation of athletic training skills related to components of a pre-participation physical; wound care; crutch fitting; components of a medical history; nutritional food pyramid; fluid replacement protocols; athletic taping and wrapping; and appropriate therapeutic modality use in sports medicine. Students must meet all program and technical standards required by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and by the National Athletic Trainers' Association (NATA).

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 2942 Athletic Training Clinical II (1). Prerequisites: HSC 2400, PET 1941, PET 3310, and PET 3621. 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, namely HSC 2400, First Aid; PET 3310, Kinesiology; and PET 3621, Athletic Training Clinical I.

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 nonmajors.

PET 3304. First Responder Practicum (1). (S/U grade only.) Prerequisite: APK 3300. 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.

PET 3310. 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.

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

PET 3943 Athletic Training Clinical III (1). Prerequisites: PET 2942, PET 4625, and PET 4632. 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, namely PET 2942, Athletic Training Clinical II; PET 4625, Issues in Sports Medicine; and PET 4632C, Therapeutic Modalities.

PET 4944 Athletic Training Clinical IV (1). Prerequisites: PET 3361, PET 3633C, PET 3XXX (Methodology of Strength and Conditioning), and PET 3943. 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, namely PET 3361, Nutrition and Sports; PET 3633C, Orthopedic Assessment-Upper Extremity; PET 3943, Athletic Training Clinical I; and PET 3XXX, Methodology of Strength and Conditioning.

PET 4946 Athletic Training Capstone Clinical (1). Prerequisites: PET 4944 and PET 4XXX (Athletic Training Clinical V). 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).

DIE 4244. Nutrition in Disease (3). Prerequisites: HUN 3224 or BCH 3023 and PET 3322 or BSC 3086. Corequisite: HUN 3226. Metabolism in disease and the adaptation of diet in the treatment or prevention of disease.

DIE 4244L. Nutrition in Disease Laboratory (1). Prerequisite: DIE 3005. Corequisite: DIE 4244. Application of the principles and concepts of nutrition therapy to meet nutrient, medical, social, and psychological needs of patients.

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, 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 and FOS 3026. 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 (4) 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; 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 (6) semester hours as content changes. Consult instructor.

HUN 4905r. Directed Individual Study (1-3). May be repeated to a maximum of six (6) semester hours.

HUN 4913r. Honors Thesis (3-6). May be repeated to a maximum of six (6) 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 (4) 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 (4) 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 3621. Athletic Training I (3). Prerequisite: HSC 2400. Corequisite: PET 3322. 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.

PET 3627C. Therapeutic Exercise/Rehabilitation (3). Prerequisites: PET 2942, PET 4623, and PET 4632C. Corequisite: PET 3633C. 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.

PET 3633C. Orthopedic Assessment-Upper Extremity (3). Prerequisites: PET 2942, PET 4623, and PET 4632C. Corequisite: PET 3627C. 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.

PET 3634C. Orthopedic Assessment-Lower Extremity (3). Prerequisites: PET 2942, PET 3627C, PET 3633, PET 4623, and PET 4632C. 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.

- PET 3660. Administration of Athletic Training Programs (3).** Prerequisite: PET 3621. This course will explore 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.
- 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 (6) semester hours.
- PET 3940r. Sports Medicine/Athletic Training Practicum (0-6).** 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 [6] semester hours required).
- PET 3943. Athletic Training Clinical III (1).** Prerequisite: PET 2942. This course is an introduction and evaluation of athletic training skills related to the following: proprioceptive neuromuscular facilitation; body measurement and composition; range of motion evaluation; equipment fitting; general medical conditions; eating disorders; components of subjective, objective, assessment, and plan (SOAP) protocols; emergency action plan (EAP) protocols; risk management; joint mobilizations; and therapeutic rehabilitation.
- PET 4050C. Motor Control and Learning (4).** Prerequisite: PET 3322. Examines theories, principles, and practical applications in motor control and learning. Attention is given to the physiological and psychological foundations of motor control and learning. The motor control and learning laboratory portion of this course constitutes one (1) credit of the four (4) credit course. Required for nutrition and fitness majors.
- 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 4312C. Biomechanics (4).** Prerequisite: PET 3322. The course is structured into two major instructional units: foundations of human movement and mechanical analysis of human motion. These units function to stimulate interest in quantitative biomechanics that integrates basic anatomy, physics, calculus, and neurophysiology for the study of human movement. This knowledge will assist students in developing an understanding of the biomechanical principles to incorporate in applied settings such as physical therapy, sports medicine, and health and fitness programs.
- 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 4623. Athletic Training II (3).** Prerequisite: PET 3621. Advanced topics pertaining to athletic training.
- PET 4625. Issues in Sports Medicine (3).** Prerequisite: PET 3621. 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.
- PET 4632C. Therapeutic Modalities (3).** Prerequisite: PET 3621. 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.
- 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 (4) semester hours when the topic changes.
- PET 4944. Athletic Training Clinical IV (1).** Corequisite PET 3943. This course is an evaluation of athletic training skills related to the following: flexibility, isometric, isotonic and isokinetic tests; postural assessment; functional and neurological assessment of the spine; various joint pathologies; general medical diagnostic assessment; psychosocial intervention techniques; recognition of nutritional disorders; and rehabilitation techniques in athletics.
- PET 4946. Athletic Training Capstone Clinical (1).** Prerequisite: PET 4944. This course is designed as a capstone for advanced level students who intend to enter the profession of athletic training. Students are evaluated on the previous skills taught in the athletic training clinical courses. Additional content includes oral, practical, and written examinations, professional development activities, and a research presentation on a related topic. All students enrolled in this course must show current proof of student membership in the National Athletic Trainers' Association (NATA).
- PET 4947. General Medical Issues Clinical (1).** Corequisite: PET 4625. Athletic training students in this course 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.
- PET 4948r. Practicum in Exercise Sciences (1-6).** Prerequisites: A 2.75 GPA, HSC 2400 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 (6) semester hours with permission of the instructor.
- 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 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 8945r.** Supervised Field Experience (1-9). (S/U grade only.)
- PET 5052.** Motor Memory (3).
- PET 5053.** Motor Control (3).
- PET 5077.** Physical Dimensions of Aging (4).
- PET 5355C.** Advanced Exercise Physiology (3).
- PET 5367.** Nutrition and Exercise Performance (3).
- PET 5553.** Cardiorespiratory and Anthropometric Evaluation and Development of Exercise Programs (3).
- PET 6365.** Exercise and the Cardiorespiratory System (4).
- PET 6368.** Metabolic Responses to Exercise (3).
- PET 6386.** Environmental Aspects of Exercise (3).
- PET 6930r.** Seminar in Movement Sciences (1).
- PET 8945r.** Exercise Physiology Internship (1-9). (S/U grade only.)

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

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).

Department of OCEANOGRAPHY

COLLEGE OF ARTS AND SCIENCES

Chair: William K. Dewar; **Professors:** Burnett, Chanton, Chassignet, Clarke, Dewar, Froelich, Huettel, Iverson, Krishnamurti, Landing, Marcus, Nof, Speer, Thistle, Weatherly; **Associate Professor:** Kostka; **Assistant Professors:** Dittmar, Nowacek, St. Laurent; **Professors Emeriti:** Hsueh, Stern, Sturges, Winchester

The Department of Oceanography offers no undergraduate major; however, undergraduate programs in the Departments of Chemistry and Biochemistry and Physics provide interdisciplinary options in oceanography. Undergraduates interested in pursuing a graduate degree in oceanography at Florida State University may use the information below for proper preparation in each of the four areas of specialization in oceanography.

General Undergraduate Preparation. Students should complete one year of college physics, one year of college chemistry, and one year of calculus.

Specialty Undergraduate Preparation. Biological: one year of organic chemistry, bachelor of science (BS) or bachelor of arts (BA) in biology. Chemical: BS or BA in chemistry or differential equations. Geological: BS or BA in geology. Physical: BS or BA in physics, chemistry, geology, geophysics, meteorology, or mathematics, or a BS in engineering; intermediate or advanced mechanics, differential equations, advanced calculus, including vector calculus, or partial differential equations.

Graduate Study

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 (PhD) in oceanography. Consult the *Graduate Bulletin* or www.ocean.fsu.edu for details.

Definition of Prefixes

ESC—Earth Science

ISC—Interdisciplinary Sciences

MAP—Mathematics Applied

OCB—Biological Oceanography

OCC—Chemical Oceanography

OCE—General Oceanography

OCG—Geological Oceanography

OCP—Physical Oceanography

PEN—Physical Education Activities (General): Water, Snow, Ice

Undergraduate Courses

Elementary

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. 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.

OCE 1001. Elementary Oceanography (3). Prerequisite: MGF 1106 or MGF 1107. 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.

Science Preparatory

OCE 4008. Principles of Oceanography (3). Prerequisite: A science major or minor status and junior or senior standing. Dynamic motions and life processes in the marine environment. Long-term geologic history of the oceans and recent changes caused by man.

Advanced

OCB 4637. Marine Benthic Ecology (3). Prerequisite and Corequisite: ZOO 4203C or instructor permission. 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 are presented through lectures, substantial reading, and class discussions.

OCC 4002. Basic Chemical Oceanography (3). Prerequisite: CHM 1046. Chemical composition of seawater, carbon dioxide system, nutrients, trace elements, and biogeochemistry.

OCE 4017. Current Issues in Environmental Science (3). Taught at an introductory level, this class includes discussions of current ground-breaking research, environmental problems, and approaches to solving them. This course consists of presentations by experts on their current research topics or environmental issues.

OCG 4050. Geological Oceanography (3). 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.

Specialized Instruction

OCE 4905r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of ten (10) 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 (18) semester hours.

OCE 4930r. Studies in Oceanography (1–4). Prerequisite: Instructor permission. Topics vary. May be repeated to a maximum of nine (9) semester hours when content changes.

PEN 1136. Theory and Practice of Compressed-Gas Diving (1). An introduction to the field of compressed-gas diving that exposes the students to the use of underwater technology and techniques in support of science.

Graduate Courses

Note: Some graduate courses the department offers are open to advanced undergraduates with consent of the instructor. For more information, refer to the "Department of Oceanography" entry in the *Graduate Bulletin*.

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 5565. Marine Primary Production (3).

OCB 5600. Biological Fluid Dynamics (3). (S/U grade only.)

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).

For listings relating to graduate course work 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

Chair: J. Piers Rawling; **Professors:** Bishop, Clarke, Dancy, Fleming, Leiber, McNaughton, Mele, Rawling, Ruse; **Associate Professors:** Dalton, Gert, McKenna, Morales; **Assistant Professors:** Costa, Roberts

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 course prerequisites have been identified for this program. However, faculty in this program recommend that students take courses with the PHH, PHI, PHM or PHP prefix at the lower level.

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 (30) 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 (21) semester hours in the major must be at the 3000 level or above; at least fifteen (15) 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 (12) 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 (6) 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 (12) 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 (9) semester hours from:**

- | | |
|-----------|--|
| 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 (6) 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 and responsibility to future generations) will be examined.

PHI 2635. Biomedical Ethics (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). (S/U grade only.) May be repeated to a maximum of three (3) 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 (6) semester hours.

PHI 4912r. Honors Work (3). May be repeated to a maximum of twelve (12) 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 (9) 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 (6) 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 (1-2) semester hours for a reading course; two to three (2-3) semester hours for a reading course with substantial writing. Repeatable with instructor permission to a maximum of twelve (12) 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 (6) 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 (9) semester hours.

Social and Political Philosophy

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 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 (9) semester hours. Also offered by the Department of Political Science.

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 (9) 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 (9) 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 (9) 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 course work 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

Chair: Mark Riley; **Associate Chair:** Horst Wahl; **Professors:** Baer, Berg, Boebinger, Blessing, Bonesteel, Brooks, Cottle, Dobrosavljevic, Duke, Kemper, Manousakis, Owens, Piekarewicz, Prosper, Reina, Rikvold, Riley, Roberts, Schlottman, Tabor, Van Winkle, von Molnar, Wahl, Xiong, Yang, Zhou; **Associate Professors:** Cao, Capstick, Eugenio, Hoefflich, Lind, Ng, Plewa, Shaheen, Wiedenhoefer; **Assistant Professors:** Adams, Chiorescu, Crede, Fenley, Gerardy, Gershstein, Hirst, Rogachev, Vafek, Volya, Wiebe, **Professors Emeriti:** Albright, Desloge, Edwards, Fletcher, Fox, Hagopian, Kimel, Kromhout, G. Moulton, W. Moulton, Philpott, Plendl, Robson, Schrieffer, Sheline, Skofronick, Testardi, Wang

Florida State University's Department of Physics offers many 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. Interdisciplinary degree options are available, and many students pursue double majors that include physics. There are many reasons students seek the challenges and rigors that come from making physics a part of their undergraduate studies. Those who do 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 find themselves capable of contributing 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 the 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, including the Nobel prize. 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 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 the area of computational physics and both experimental and theoretical studies in high energy, nuclear, condensed matter, and atomic and molecular physics. There are also many opportunities for interdisciplinary research, particularly in the **Center for Materials Research and Technology (MARTECH)**, the **National High Magnetic Field Laboratory (NHMFL)**, the **School of Computational Science (SCS)**, the **Institute of Molecular Biophysics (IMB)**, and, as a separate degree program, in chemical physics.

Available 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 spectroscopy array, electron spin resonance and electron double nuclear resonance spectrometers, a detector development laboratory for high-energy particle detectors, 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 microscopies 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.

Computers are an integral part of almost 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). An undergraduate interdisciplinary program is designed to prepare students to work in areas that combine physics with other fields. The departmental course offerings include courses for non-science majors, courses for non-physical science majors, courses for K-12 educators, and courses 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 and interdisciplinary physics satisfy this requirement by earning a grade of "C-" or higher in PHZ 4151C.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for these University degree programs. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Physics

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C, or CHM X045E
2. CHM X046/1046L, or CHM X046C, or CHM X046E
3. MAC X311 or MAC X281
4. MAC X312 or MAC X282
5. MAC X313 or MAC X283
6. PHY X048/X048L or PHY X048C
7. PHY X049/X049L or PHY X049C

Interdisciplinary Physics Program

1. CHM X045/X045L, or CHM X040 and CHM X041, or CHM X045C and CHM X045E
2. CHM X046/X046L, or CHM X046C, or CHM X046E;
3. MAC X311
4. MAC X312
5. Choose between the CHM or PHY sequence:
 - a. CHM X210/X210L and CHM X211/X211L or CHM X210C and CHM X211C

OR

- b. PHY X048/X048L and PHY X049/X049L, or PHY X048C and PHY X049C, or PHY X053C and PHY X054C

Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

A brochure stating degree requirements in detail and containing outlines of undergraduate programs that will meet all departmental and University requirements is available from the departmental undergraduate affairs office and online at <http://www.physics.fsu.edu>. Students expecting to major in physics or in the interdisciplinary program in physics should obtain this brochure as soon as possible.

The University oral competency communication requirement may be satisfied by taking PHY 3091 Communications in Physics, or PHY 4990 Senior Seminar. The University computer competency requirement may be satisfied by taking PHZ 4151C.

Physics Program

A major is required to take Discovering Physics (PHY 1090), General Physics A (PHY 2048C), General Physics B (PHY 2049C), Communication in Physics (PHY 3091), Intermediate Modern Physics (PHY 3101), Intermediate

Mechanics (PHY 3221), Mathematical Physics (PHZ 3113), Intermediate Electricity and Magnetism (PHY 4323), Thermal and Statistical Physics (PHY 4513), Quantum Theory of Matter A (PHY 4604), Intermediate Laboratory (PHY 3802L), and Advanced Laboratory (PHY 4822Lr). A major must also complete at least four of the following courses: Optics (PHY 3424), Advanced Dynamics (PHY 4241), Quantum Theory of Matter B (PHY 4605), Physics of Stars (AST 4217), Particle and Nuclear Physics (PHZ 4390), Phenomena in Condensed Matter Physics (PHZ 3400) and General Relativity (PHZ 4601). A major must complete one of the following computational courses: Computational Physics Lab (PHZ 4151C) or Object Oriented Programming in C++ (CGS 3406). A major must also complete one semester of General Chemistry (CHM 1045/1045L or CHM 1050/1050L). Majors must complete the following mathematics classes: Calculus I (MAC 2311), Calculus II (MAC 2312), Calculus III (MAC 2313), and either 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 Advanced Dynamics (PHY 4241) and Quantum Theory of Matter B (PHY 4605) in their programs.

No physics, chemistry, 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 a major 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 that major.

In addition to satisfying the above requirements, the student must satisfy the general requirements of both the College of Arts and Sciences and the University.

The Department of Physics will withhold acceptance as a physics major until the student, in consultation with one of the upper-division physics advisers, has laid out an acceptable program of studies.

Interdisciplinary Program in Physics

The interdisciplinary program in physics is designed to prepare a student for work in areas that combine physics with other fields, such as high school teaching, medicine, oceanography, computer science, and others.

An interdisciplinary physics major is required to take the following:

1. Discovering Physics (PHY 1090), General Physics A (PHY 2048C), General Physics B (PHY 2049C), Communication in Physics (PHY 3091), Intermediate Modern Physics (PHY 3101), Intermediate Mechanics (PHY 3221), and Intermediate Laboratory A (PHY 3802L).
2. At least two of the following courses: Optics (PHY 3424), Mathematical Physics (PHZ 3113), Physics of Stars (AST 4217), Particle and Nuclear Physics (PHZ 4390), and Phenomena in Condensed Matter Physics (PHZ 3400)
3. Either Computational Physics Lab (PHZ 4151C) or Object Oriented Programming in C++ (CGS 3406).
4. Calculus I (MAC 2311) and Calculus II (MAC 2312), and either Ordinary Differential Equations (MAP 2302) or Engineering Mathematics I (MAP 3305). In addition, the completion of a mathematics minor is required.
5. One semester of General Chemistry (CHM 1045/1045L or CHM 1050/1050L). Some programs also require CHM 1046/1046L or CHM 1051/1051L.
6. A suitable set of courses in some discipline other than physics. The courses required for each Interdisciplinary track are listed in the Physics Undergraduate Guide, available on the Physics Department’s web site or from the department’s Undergraduate Office.

No physics, chemistry, 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 a major 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 that major.

The Department of Physics will withhold acceptance as an interdisciplinary physics major until the student, in consultation with one of the upper-division physics advisers, has laid out an acceptable program of studies.

Minor

The required mathematics for all physics programs is sufficient to constitute an acceptable minor in mathematics, but a student who so desires may take an additional approved minor.

Minor in Physics

To obtain a minor in physics a student is required to take General Physics A (PHY 2048C or 2048 and 2048L), General Physics B (PHY 2049C or 2049 and 2049L), and at least one of the following courses: Intermediate Modern Physics (PHY 3101), Intermediate Mechanics (PHY 3221), Intermediate Electricity and Magnetism (PHY 4323), Optics (PHY 3424), Thermal and Statistical Physics (PHY 4513). 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 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>.

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 (2) 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 the non-science major 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 the 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, 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 (2) hours. Experiments in mechanics, optics, electricity, and magnetism. (Liberal studies laboratory.)

PHY 1075C. Physics of Light and Sound (4). A liberal studies course for the non-science major 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.

College Physics for Non-Physical Science Majors

PHY 2053C. College Physics A (4). Prerequisites: MAC 1113 and MAC 1140 with grades of “C–” or better or suitable mathematics examination placement score. 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. (Must also register for PHY 2053L.)

PHY 2053L. College Physics A Laboratory (0).

PHY 2054C. College Physics B (4). Prerequisite: PHY 2053C or PHY 2048C. 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. (Must also register for PHY 2054L.)

PHY 2054L. College Physics B Laboratory (0).

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 integrates physics and chemistry with the laboratory integral to the course. Students will work in groups in a hands-on, minds-on approach to learning physical science.

General Physics for Physical Science Majors

PHY 2048C. General Physics A (5). Corequisite: MAC 2311. 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. A student who has taken PHY 2053C or an equivalent course with comparable laboratory component may take PHY 2048 rather than 2048C. (Must also register for PHY 2048L.)

PHY 2048. General Physics A without Laboratory (3). Same course as PHY 2048C, except that the student does not take the laboratory. May only be taken by students who have passed PHY 2053C or an equivalent course. The course must include laboratory work similar to PHY 2048L.

PHY 2048L. General Physics A Laboratory (0).

PHY 2049C. General Physics B (5). Prerequisite: PHY 2048C or PHY 2048 with a grade of “C” or better or instructor permission. Corequisite: MAC 2312. An introduction to electricity, magnetism, and optics for physical science majors. Calculus is used. Course consists of lectures, recitations, and laboratory. A student who has taken PHY 2054C or an equivalent course with comparable laboratory component may take PHY 2049 rather than 2049C. (Must also register for PHY 2049L.)

PHY 2049. General Physics B without Laboratory (3). Same course as PHY 2049C, except that the student does not take the laboratory. May only be taken by students who have passed PHY 2054C or an equivalent course. The course must include laboratory work similar to PHY 2049L.

PHY 2049L. General Physics B Laboratory (0).

Required Courses for Majors

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 elementary particle physics, nuclear physics, and condensed matter physics. May be repeated to a maximum of two (2) semester hours.

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. Intermediate Mechanics (3). Prerequisite: PHY 2048C. Corequisite: MAP 2302 or MAP 3305. Principles and applications of the Newtonian mechanics of particles and systems of particles. Noninertial reference frames, simple and damped harmonic motion, central force motion, motion of a rigid body in a plane.

PHY 4323. Intermediate Electricity and Magnetism (3). Prerequisites: PHY 2049C and PHZ 3113. Electrostatics, magnetostatics, time-varying electric and magnetic fields, Maxwell’s equations.

PHY 4513. Thermal and Statistical Physics (3). Prerequisite: MAC 2313. Corequisite: PHY 3101. 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: PHZ 3113 and PHY 3101. Quantum mechanics and its applications to particles, nuclei, atoms, molecules, and condensed matter.

PHZ 3113. Mathematical Physics (3). Prerequisite: PHY 2049 and PHY 2049C or PHY 2054C. 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.

Elective Courses

AST 4217. The 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.

PHY 3424. Optics (3). Prerequisite: PHY 2049C. Geometrical optics, wave optics, optical instrumentation, properties of light, lasers, fiber optics.

PHY 4241. Advanced Dynamics (3). Prerequisites: PHY 3221 and PHY 4323. This course examines a variety of topics including Hamiltonian dynamics and electrodynamics of particles, waves in continuous media, relativistic dynamics, and electrodynamics of particles.

PHY 4605. Quantum Theory of Matter B (3). Prerequisite: PHY 4604. Quantum mechanics and its applications to particles, nuclei, atoms, molecules, and condensed matter.

PHZ 3400. Phenomena in Condensed Matter Physics (3). Prerequisites: MAP 2302 or MAP 3305 and PHY 3101. Topics to be covered in this course include crystal structures, phonons and thermal properties, electron energy bands, metals, semiconductors, superconductors, and magnetism.

PHZ 4390. Particle and Nuclear Physics (3). Prerequisites: MAP 2302 or MAP 3305, 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 following topics: special theory of relativity; tensor analysis and curvature; general theory of relativity; experimental tests; black holes; gravitational radiation; and cosmology.

Laboratory Courses

PHY 3802L. Intermediate Laboratory A (1). Corequisite: PHY 3101. 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 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 (6) semester hours for special projects arranged in advance between the student and the instructor.

PHZ 4151C. Computational Physics Laboratory (3). Prerequisites: MAP 3305 and PHY 2049C. 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 competency requirement.

Research and Special Topics

PHY 3936r. Special Topics in Physics (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) 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 (18) semester hours.

PHY 4910r. Research Participation (2). 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 (8) semester hours.

PHY 4936r. Special Topics in Physics (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 (12) 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 (15) semester hours. A maximum of eight (8) students allowed in each tutorial.

PHY 4970r. Honors Work (1–6). May be repeated to a maximum of nine (9) 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 (2) semester hours.

Other Courses

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 elementary particle physics, nuclear physics, and condensed matter physics. May be repeated to a maximum of two (2) semester hours.

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.

PHZ 4601. Special and General Relativity (3). Prerequisites: PHY 3221 and PHY 4323. This course examines the following topics: special theory of relativity; tensor analysis and curvature; general theory of relativity; experimental tests; black holes; gravitational radiation; and cosmology.

Graduate Courses

PHY 5157. Advanced Numerical Applications in Physics (3).

PHY 5226. Intermediate Mechanics (3).

PHY 5227. Advanced Mechanics (3).

PHY 5246. Theoretical Dynamics (3).

PHY 5326. Intermediate Electricity and Magnetism (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 (3).
PHY 5608r. Quantum Theory of Matter (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 6935r. Advanced Seminar (1). (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 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

Chair: Dale L. Smith; **Professors:** Barrilleaux, Berry, Crew, Kim, Moore, Scholz, C. Weissert, W. Weissert; **Associate Professors:** Claggett, Hensel, Jackson, Maestas, Smith; **Assistant Professors:** Ahn, Barabas, Block, Ehrlich, M. Golder, S. Golder, Gomez, Grosser, Jerit, Kemahlioglu, Reenock, Siegel, Souva, Stokes-Brown; **Instructors:** Jordan, Kotchikian; **Professors Emeriti:** Abcarian, Atkins, Bone, Dye, Flanagan, Flory, Glick, Gray, Palmer, Roady, St. Angelo, Vanderoef; **Affiliated Faculty:** Feiock

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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years, though they are not prerequisites for entry into the major.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Two introductory courses (six [6] semester hours) in political science with the CPO, INR, or POS prefix

Requirements for a Major in Political Science

A political science major consists of thirty (30) semester hours in political science with a grade of “C–” or better in each course, with the following restrictions:

- At least twenty-one (21) semester hours in courses numbered 3000 and above
- At least twenty-one (21) semester hours in an assembled classroom (as distinguished from individual credit for honors, directed studies, and internships)
- At least twelve (12) semester hours in an assembled classroom at Florida State University (including 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, choosing from: CPO 2002, INR 2002, POS 1041, 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 (6) semester hours in any three subfields. The introductory courses listed above can be counted toward this subfield requirement.

POS 3713 Understanding Political Science Research, is required of all majors.

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 (6) 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 (60) semester hours; completion of fifteen (15) 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.

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 (15) semester hours of political science courses with grades of “C–” or better. A maximum of six (6) semester hours of PAD and/or PHM prefixes combined may be counted toward the minor. At least nine (9) semester hours must be at the 3000 level or above, and at least six (6) 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 3463. Interest Groups in Democratic Politics (3). Prerequisite: POS 1041 or instructor permission. The activities of lobbyists and interest groups in the U.S. and Florida as they relate to the initiation, formulation, enactment, and interest group administration of public policies.

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 (1–3). Prerequisite: POS 1041 or instructor permission. Varies with the instructor and semester. May be repeated to a maximum of nine (9) 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 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). 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 from Western democracies, the third world, and current or former communist 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 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 3930r. Special Topics in Comparative Government and Politics (1–3). Prerequisite: CPO 2002 or instructor permission. Topics vary with the instructor and semester. May be repeated to a maximum of nine (9) 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.

International Relations

INR 2002. Introduction to International Relations (3). 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 (1–3). Prerequisites: INR 2002 or instructor permission. Topics vary with the instructor and semester. May be repeated to a maximum of nine (9) 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). An introduction to the development of public policy in the United States. Covers main policy areas including housing, education, the economy, 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 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 (1–3). 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 (9) 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.

POT 4904r. Readings in Political Thought (3). Issues or topics in the general area of political theory determined through consultation between instructor and student. May be repeated to a maximum of nine (9) semester hours.

Others

POS 2001. Introduction to Political Science (3). An introduction to the discipline of political science involving an examination of its major sub-fields, concepts, and methodologies.

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 (1–3). Prerequisite: At least twelve (12) 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 (6) 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 (12) 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 (12) 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 (9) semester hours.

POS 4941r. Internship (1–6). Prerequisites: Completion of at least sixty (60) semester hours, completion of fifteen (15) 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 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 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 5746r.** Quantitative Analysis in Political Science (3).
- POS 5747r.** Advanced Quantitative Analysis in Political Science (3).
- POS 5915.** Political Science Research Practicum (3).

Political Theory

- POT 5934r.** Seminar in Political Thought (3).
- POT 5936r.** Selected Topics (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 5919r. Supervised Research (1–5). (S/U grade only.)
POS 5946r. Teaching Political Science at the College Level (3).
POS 6930r. Profession of Political Science (0–6). (S/U grade only.)
SYD 5145. Population Policy (3).

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 course work 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

Chair: Janet Kistner; **Associate Chair:** Berler; **Professors:** Baumeister, Berkley, Carbonell, Charness, Contreras, Ericsson, Glendenning, Hull, Hyson, Joiner, Kistner, Lang, Lonigan, Schatschneider, Schmidt, Spector, Tice, Wagner, Wang; **Associate Professors:** Eckel, Johnson, Kelley, B. Licht, M. Licht, Maner, Meyer, Plant, Radach, Taylor; **Assistant Professors:** Bolaños, Boot, Ehrlinger, Kaschak, Ward; **Research Associates in Psychology:** Berler, Henderson, Sachs-Ericsson, Warmath; **Associates in Psychology:** Kline, Murphy; **Assistant in Psychology:** Lane, Lechago; **Administrative and Professional:** Bigbie, Donaldson, Harris, Saunders; **Associated Faculty:** Davis, Ferris, Kemper, Kerr, O’Kon, Patrick, Sullivan, Tenenbaum; **Professors Emeriti:** Bailey, Brigham, Hokanson, Kennedy, Kenshalo, 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 course work 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 advisement 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. Advisors are available M-F from 9:00 to noon and 1:30 to 4:30. 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 for a semester, courses in psychology may be available at the London Study Center and FSU—Panama. 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 CGS 2060, CGS 2064, CGS 2100, and BSC 2010L.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. One course (three [3] semester hours) in any level general biology course or BSC X200–209 or ZOO X010
2. PSY X012
3. Any lower-level psychology class within the psychology inventory (three [3] semester hours)
4. One course (three [3] semester hours) of any level statistics

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.

Note: While some of these requirements overlap with the State of Florida Common Course Prerequisites (listed above), there are additional requirements for formal admission to the psychology major. Note also that students with more than one hundred twenty (120) earned semester hours are not admissible.

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 (3) courses listed below (each with a “C–” or better). These 3 courses should be taken as part of the liberal studies requirements or the A.A. degree.
 - a. PSY 2012
 - 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 be taken as a course prerequisite. It is important that students see a psychology adviser for guidance as to when best to schedule these courses.

Requirements for a Major

Note: The following graduation requirements apply to all students formally admitted to the upper division major on or after August 28, 2006. Students who qualify for formal admission on or after August 28, 2006 must maintain a minimum GPA of 2.8 to stay in the major. For students formally admitted to the upper division major prior to August 28, 2006, please see the department’s Web site at <http://www.psy.fsu.edu> or contact the Psychology Advising Office at 644-4260 for requirements of the previous curriculum. Please note that students who qualify for formal admission before August 28, 2006 must maintain a minimum GPA of 2.6 to stay in the major.

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 (9) 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 will be dropped.

Required Upper-Level Courses for a Psychology Major

Note: EXP 3202C, 3203C, 3422C, 3604C, PSY 3213C and PSB 3004C are each four (4) hour courses with both lecture and laboratory components. These courses previously were three (3) hour lecture courses and separate one (1) hour laboratory courses.

Thirty-six (36) semester hours of psychology courses (not including general psychology) are required for the major. At least eighteen (18) of these thirty-six (36) hours must be taken in residence at FSU. The thirty-six (36) hours must include:

Group 1: Research Methods. STA 2122 or 2171 is a prerequisite. Group 1 totals four (4) hours of credit.

PSY 3213C Research Methods in Psychology with Laboratory (4)

Group 2: Neuroscience. Students must take one course, totaling three to four (3–4) 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 (6–7) 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 3404	Human Memory and Learning (3)
EXP 3604C	Cognitive Psychology with Laboratory (4)
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; they will then take more psychology electives (Group 5) to total thirty-six (36) semester hours. Group 4 adds between zero and 8 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 (36) hours of psychology courses (not including General Psychology). Group 5 adds between 14 hours and 21 hours of credit.

- Up to six (6) 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. They can be taken as early as the first semester of sophomore year. Students can take more than 6 hours of these research experience courses (12 hours DIS; 12 hours PSY 4920), but only 6 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 9 hours maximum. For example, if a student took 6 combined hours of PSY 4920 and PSY 4911, he/she can count an additional 3 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 to fulfill requirements, at least 3 hours of psychology electives must be a 4000 level course, which cannot include PSY 4911-14, PSY 4920, or PSY 4039.

Honors in the Major

The Department of Psychology 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 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 be admitted into the University Honors Program prior to arranging 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 Program, students must identify a psychology faculty mentor for supervision of their honors thesis research.

Requirements for a Minor in Psychology

Twelve (12) 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 (6) 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.

Areas of Special Emphasis

Several areas of emphasis are available for students, especially those planning a graduate career in psychology or another field of science. The areas are clinical psychology, cognitive psychology, developmental psychology, neuroscience, and social psychology. A recommended course listing in each area of emphasis is available from the psychology department’s undergraduate advising office. The recommended curriculum provides 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 of 2.8 in all attempted courses
- Completion of the three (3) courses listed below (each with a “C–” or better). These 3 courses should be taken as part of the liberal studies requirements or the AA degree.
 - PSY 2012
 - 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 be taken as a course prerequisite. 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

PPE—Personality

PSB—Psychobiology

PSY—Psychology

SOP—Social Psychology

Undergraduate Courses

General Psychology

PSY 2012. General Psychology (3). 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 3213C. Research Methods in Psychology with Laboratory (4). Prerequisites: PSY 2012 and STA 2122 or STA 2171. 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, PSY 3213C, junior or senior standing, or instructor permission; recommended for seniors. 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 PSY 3213C. 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. Sensations and Perception with Laboratory (4). Prerequisite: PSY 3213C. 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. 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. How experience affects the behavior and physiological functioning of animals and humans; lecture plus laboratory experiments.

PSB 2000. Introduction to Brain and Behavior (3). A study of 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. Current problems, theories, and techniques in physiological psychology with emphasis on central nervous system mechanisms.

PSB 4461. Hormones and Behavior (3). Prerequisites: PSY 2012 and PSB 2000 or PSB 3004C or three (3) semester hours in biology. 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). 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 (3) semester hours in biology. A study of 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. The course focuses on intelligent behavior in humans, animals, and machines and on the mechanisms underlying this behavior.

EXP 3404. Human Memory and Learning (3). Prerequisites: PSY 3213C. Course introduces issues related to human memory and learning. Theories of memory, including memory systems, capacity and duration of memory, and basic memorial processes. Applied issues include disorders of memory (e.g., Alzheimer's disease), repressed memories, and memory improvement.

EXP 3604C. Cognitive Psychology with Laboratory (4). Prerequisite: PSY 3213C. Contemporary approaches to human learning, memory, and higher mental processes; lecture plus laboratory experiments.

EXP 4640. Psychology of Language (3). Prerequisites: PSY 3213C for psychology majors and instructor permission for other majors. This course will focus 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. 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. 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 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. Causes of personality disorganization, diagnosis and treatment of mental illness, and developments in experimental psychopathology.

CLP 4182. Addictive Behaviors (3). Prerequisites: Junior or senior standing, a 3.0 GPA, or instructor permission. 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. A study of current issues in clinical psychology. May be repeated to a maximum of six (6) semester hours.

CLP 4950. Abnormal Psychology Field Experience (1). (S/U grade only.) Prerequisites: CLP 4143 or instructor permission.

PPE 3003. Psychology of Personality (3). Prerequisite: PSY 2012. An introduction to methods, theory, and research in personality.

PSY 4302. Theory, Application, and Evaluation of Tests (3). Prerequisite: PSY 3213C. Basic test and measurement theory 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. 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. 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. Systematic study of research and theory including psychological differences and similarities between sexes.

SOP 3751. Psychology and the Law (3). Prerequisite: PSY 2012. 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. 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. 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 3213C 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. 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. 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. 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). Science is considered as an enterprise in modern society that produces technological advances and new perspectives on reality. Interrelations among science, technology, and society are examined. 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.)

PSY 4039r. Honors Work (1–6). May be repeated to a maximum of nine (9) hours.

PSY 4911r–4914r. Directed Individual Study (one to three [1–3] hours each.) (S/U grade only.) Prerequisites: Sophomore or higher standing and instructor permission. Study on a selected topic as designated by the student and the directing professor. Each course may be repeated to a maximum of three (3) semester hours.

PSY 4920r. Research Topics (1–3). (S/U grade only.) Prerequisites: Sophomore or higher standing and instructor permission. Participation in a group research project on a selected topic as designated by the directing professor. May be repeated to a maximum of twelve (12) semester hours, with a maximum of six (6) hours repeatable in a given semester.

PSY 4930r. Special Topics in Psychology (3). May be repeated to a maximum of nine (9) semester hours. A maximum of two (2) special topics courses may be taken in the same semester.

PSY 4970r. Honors Seminar (1). (S/U grade only.) Prerequisite: Admission to the honors-in-psychology program. 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. Forum for informal discussion of project development, research design, data collection and analyses, and thesis presentation. May be repeated to a maximum of four (4) semester hours.

SCE 4939r. Seminar in Contemporary Science, Mathematics, and Science Education (1).

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 5196. Techniques of Behavioral Change (3).

CLP 5375. Concepts and Methods of Clinical Psychology (3).

CLP 5475. Child Psychopathology and Intervention (3).

CLP 5624. Ethics and Standards of Professional Practice (3). (S/U grade only.)

CLP 5941r. Clinical Practicum: Psychological Evaluation [one to three (1–3) hours each]. (S/U grade only.)

CLP 5942r. Clinical Practicum: Psychological Evaluation [one to three (1–3) hours each]. (S/U grade only.)

CLP 6169. Abnormal Psychology for Graduate Students (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 [one to three (1–3) hours each]. (S/U grade only.)

CLP 6947r. Clinical Practicum: Change of Behavior [one to three (1–3) hours each]. (S/U grade only.)

PPE 5055. Personality Theory (3).

PSY 5325. Assessment I (3).

PSY 5326. Assessment II (3).

PSY 6940r. Psychological Clerkship (3–6). (S/U grade only.)

PSY 6948r. Psychology Internship (1–6). (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. Conditioning and Learning (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). (S/U grade only.)

PSB 5077. Responsible Conduct of Research (2).

PSB 5230C. Vertebrate Neuroanatomy (4).

PSB 5231L. Comparative Neuroanatomy Laboratory (1).

PSB 5341. Systems and Behavioral Neuroscience (4).

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 5053. Social Psychology (3).

SOP 6848. Seminar in Psychology and Law (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 course work 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

Director: Frances S. Berry; **Professors:** Askew, Berry, Bowman, Bradley, deHaven-Smith, Feiock, Guy, Klay, Reid; **Associate Professors:** Brower, Eger, K. Lee, Matkin; **Assistant Professor:** Yang; **Professor of Practice and Senior Executive in Residence:** R. Lee; **Visiting Professors and Adjunct Faculty:** Crispo, Dilling, Heffron-Casserleigh, Long, Otte, Mauldin, Moore, Murdaugh, Parry, Sheffield, Smith, Stansbury, Tipton, VanLandingham, 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). For more information on the ISS, please contact the College of Social Sciences, Office of the Dean.

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 (12) semester hours passed with a grade of "C" or better. Courses should be approved by the school in consultation with the student. Topics in regularly scheduled undergraduate classes include:

- Public administration in American society
- Budgets and finances in managing public affairs
- American public service
- Administrative law
- Local government administration
- American legal systems
- Selected topics in public administration
- Directed individual study (faculty approval required)
- Civic and non-profit management

One of the following Department of Political Science courses may be substituted for one of the above: state politics, urban politics, Florida government, and the American presidency.

The school, upon application from the student, recognizes successful completion of requirements for the undergraduate minor with a certificate that indicates the student's understanding of public administration, including the role of government agencies in society and administrative processes. In order to qualify for the certificate, the student must pass four courses, totaling twelve (12) semester hours, with a grade of "C" or better. Courses must be approved by the school in consultation with the student. If approved by the director of undergraduate studies, some transfer credits may be accepted. The certificate credential is not intended as a diploma or degree.

The application procedure requires that students notify the school of their intention to complete a minor and that they wish to receive a certificate upon successful completion of the required twelve (12) semester hours. Students may do this prior to or following completion of the minor. It is recommended that the student check with the director of undergraduate studies to be sure courses taken will apply to the certificate.

The school offers an undergraduate certificate in Emergency Management. Both degree-seeking and special students are eligible for the undergraduate certificate program. 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/MSC), 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 home page: <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 (9) 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 (6) semester hours.

PAD 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

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 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 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. May be repeated to a maximum of six (6) semester hours.

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 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

PAD 4936r. Special Topics in Public Administration (3). Topics will vary. May be repeated to a maximum of nine (9) 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 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 5846. Health Policy and Public Administration (3).
- PAD 5859. Contract Management: History, Issues, and Practices (3).
- PAD 5907r. Directed Individual Study (1–3). (S/U grade only.)
- PAD 5915r. Supervised Research (1–5). (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 6930r. Professional Topics in Public Administration (0). (S/U grade only.)

For listings relating to graduate course work 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 Program in
Business Law

REHABILITATION SERVICES:
see Childhood Education, Reading, and Disability Services

Department of RELIGION

COLLEGE OF ARTS AND SCIENCES

Chair: John Corrigan; **Professors:** Corrigan, Kelsay, Porterfield, Tigchelaar, Twiss; **Associate Professors:** Cuevas, Erndl, Kalbian, Kavka, Levenson; **Assistant Professors:** Day, Gaiser, Goff, Irving, Kelley, Koehlinger, Yu; **Professors Emeriti:** Carey, Jones, Moore, Rubenstein, Sandon, Wellborn

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 department offers instruction in the religious traditions of the world and the religious dimensions of human life. While covering a wide range of religious phenomena and the interaction of religion with other cultural forms, there are particular concentrations in the religions of western antiquity, religions of Asia, religion in America, and religion, ethics, and philosophy.

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, as the study of religion involves exposure to a wide variety of different cultural expressions and methods of analysis. While some religion majors and minors go on to graduate work and positions in the various areas of religion and religious studies, the issues and methods encountered are applicable to a number of different professional fields and interests.

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 course prerequisites have been identified for this program. However, faculty in this program recommend that students take several courses with REL prefix at the lower level.

Degree in Religion

Major

To complete a Bachelor of Arts (BA) degree with a major in religion, a student must take (in addition to other college requirements) thirty (30) semester hours of religion courses. For purposes of the major requirement, religion courses are divided into the following three (3) areas:

Western: REL 2121, 2210, 2243, 3128, 3146, 3280, 3293r, 3363, 3370, 3430, 3505, 3600, 4203r, 4290r, 4320r, 4323, 4324, 4511, 4541, 4564, 4611, 4613, 4671, 4914r

Asian: REL 2315, 2350, 3316, 3335, 3337, 3340, 3358, 4333, 4359r, 4908r, 4912r

Issues and Approaches: REL 3142, 3145, 3170, 3177r, 3191, 3194; 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 for a current list of all courses and their areas.

Majors must take at least three (3) semester hours in each of the three areas listed above. In addition, at least eighteen (18) semester hours must be at the 3000/4000 level, of which six (6) hours must be numbered 3936 or above. Majors must take at least one religion course with a seminar format (either a

course listed as a seminar or one approved as such by the department). REL 1300 is not applicable toward the requirements for the major. Courses in which the student receives a grade below "C-" will not be counted toward the major.

To be eligible for graduation, students majoring in religion must complete an exit interview or survey.

Minor

The religion major requires the completion of a minor in another department or program.

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 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, humanities, 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 (12) semester hours in the religion curriculum. At least six (6) semester hours of credit must be earned in courses at the 3000 level or higher. REL 1300 is not applicable toward the requirements for the minor. Courses in which the student receives a grade below "C-" will not be counted toward the minor.

Definition of Prefixes

HBR—Modern Hebrew Language

PHI—Philosophy

REL—Religion

SRK—Sanskrit Language

Undergraduate Courses

HBR 1102, 1103. Beginning Hebrew I, II (4, 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 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 3054. 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 3128r. Topics in Religion in the Americas (3). Prerequisite: REL 2121 or instructor permission. May be repeated to a maximum of six (6) 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 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 3171. 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 3180r. Topics in Ethics (3). Consideration of themes and problems in modern ethics. May be repeated to a maximum of nine (9) semester hours.

REL 3191. Death and Dying (3). Practical and theoretical perspectives on the critical dimensions of death as it is experienced in modern society.

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 3293r. Topics in Biblical Studies (3). Prerequisite: 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 to a maximum of nine (9) semester hours.

REL 3335r. 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 (9) 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 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. The Islamic Tradition (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 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 3493. Religion and Science (3). This course provides an historical and philosophical analysis of major questions in the relationship between religion and science.

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 (9) semester hours.

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 (9) semester hours.

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 (12) semester hours.

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 (9) semester hours.

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 (9) semester hours.

REL 4321. 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 (12) semester hours.

REL 4333. 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 (12) 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 (12) semester hours as topics vary.

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 (9) 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 4564. 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 4611. 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 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 4671. Gender and Judaism (3). Examines the roles of men and women in various Jewish communities and the responses of contemporary Jews to feminist initiatives and critiques.

REL 4905r. Directed Individual Study (1–3). Supervised reading and research on selected topics. May be repeated to a maximum of nine (9) 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 (12) 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 (12) 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 (12) 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 (9) semester hours.

SRK 4102, 4103. Elementary Sanskrit I, II (3, 3). Introduction to the morphology and syntax of Sanskrit and introduction to Sanskrit texts.

Graduate Courses

REL 5035. Seminar: Introduction to the Study of Religion (3).

REL 5195r. Seminar: Religion and Culture (3).

REL 5204r. Readings in Classical Hebrew Texts (1–3).

REL 5292r. Tutorial in Near Eastern Languages and Literature (1–3).

REL 5297r. Seminar: Biblical Studies (3).

REL 5305r. Seminar: History of Religions (3).

REL 5328r. Tutorial in Greek Religious Texts (1–3).

REL 5332. Modern Hinduism (3).

REL 5354. Special Topics in Asian Religions (3).

REL 5486. Religious Thought in America (3).

REL 5497r. Seminar: Religious Thought (3).

REL 5515. Christianity in Late Antiquity (3).

REL 5516. Christianity after the New Testament (3).

REL 5565. Modern Roman Catholicism (3).

REL 5612. Judaism in the Graeco-Roman World (3).

REL 5616. Modern Judaism (3).

REL 5672. Gender and Judaism (3).

REL 5906r. Directed Individual Study (1–3).

REL 5910r. Tutorial in Pali (1–3).

REL 5911r. Supervised Research (1–3). (S/U grade only.)

REL 5915r. Tutorial in Sanskrit Texts (1–3).

- REL 5916r. Tutorial in Latin Religious Texts (1–3).
REL 5937r. Special Topics in Religion (3).
REL 5940. Supervised Teaching (3). (S/U grade only.)
REL 6176r. Seminar: Ethics and Politics (3).
REL 6298r. Seminar: Scriptures and Interpretation (3).
REL 6498r. Seminar: Religious Thought (3).
REL 6596r. Seminar: Religious Movements and Institutions (3).
SRK 5236. Intermediate Readings in Sanskrit I (3).
SRK 5237. Intermediate Readings in Sanskrit II (3).

For listings relating to graduate course work 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 RISK MANAGEMENT/INSURANCE AND REAL ESTATE AND PROGRAM IN BUSINESS LAW

COLLEGE OF BUSINESS

Chair: Dean H. Gatzlaff; **Professors:** Boggs, Carson, Corbett, Diskin, Gatzlaff, Maroney, Sirmans, Stauber; **Associate Professor:** Cole, Dumm, Gabel, McCullough; **Assistant Professor:** Hall; **Visiting Assistant Professor:** Smersh; **Associates in Business Law and Real Estate:** Bailey, Woodyard; **Payne H. and Charlotte Hodges Midyette Eminent Scholar in Risk Management and Insurance:** Carson; **Kenneth G. Bacheller Professor of Real Estate:** Sirmans; **Mark C. Bane Professor in Business Administration:** Gatzlaff; **Kathryn Magee Kip Professor:** Maroney; **Independent Life & Accident Insurance Company Professor:** Corbett; **State Farm Professor of Risk Management/Insurance:** McCullough.

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 College of Business. 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 of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into these upper-division degree programs:

Risk Management/Insurance

1. ACG X021, or ACG X001 and ACG X011
2. ACG X071
3. CGS X100*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Real Estate

1. ACG X021, or ACG X001 and ACG X011
2. ACG X071
3. CGS X100*
4. ECO X013
5. ECO X023
6. MAC X233 or MAC X230
7. STA X023 or STA X122 or QMB X100

Note: Courses marked with an asterisk (*) have at least one acceptable substitute. Please visit http://facts23.facts.org/cpp/transition/alpha_index_2008.htm for a current list of approved substitutes.

Degree Programs

Risk Management/Insurance Program

The objective of the curriculum in risk management/insurance is to acquaint the student with the effects of risk and uncertainty upon business and society. The analysis of risk and the methods of meeting risk, as necessary tools of business management, are placed in proper perspective as parts of a broad business curriculum.

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 course prerequisites for risk management/insurance majors; 3) the general business core requirements for risk management/insurance majors; 4) the general business breadth requirements for risk management/insurance majors; and 5) 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 of 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 (5) 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 five (5) 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 three (3) 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	3504	Services Operations Management (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 (6) 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 (2) electives from the following list of courses:

RMI	4135	Employee Benefit Plans (3)
RMI	4295	Advanced Property and Casualty Insurance (3)
RMI	4420	Legal and Political Aspects of Insurance (3)

Students also should consider completing RMI 4308r Seminar in Risk and Its Control (3); topics in this course vary by term. 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 in-

roduced 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).

Completion of the real estate major meets or exceeds the educational requirements necessary to take the state examinations required to receive the real estate sales associate license in Florida. In addition to the real estate major, the state's Uniform Standards for Professional Appraisal Practice (USPAP) course must be completed to take the state examinations for appraisal certification in 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 course prerequisites for real estate majors; 3) the general business core requirements for real estate majors; 4) the general business breadth requirements for real estate majors; and 5) the major area requirements for real estate majors.

Note: To be eligible to pursue a real estate major, students must meet the admission requirements of 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 (5) 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 five (5) 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 three (3) 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 3504	Services Operations Management (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 (5) 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 Appraisal (3)
REE 4143	Real Estate Market Analysis (3)
REE 4204	Real Estate Finance (3)
REE 4313	Real Estate Feasibility Analysis (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 (4). Basic concepts of law as applied to the accounting profession, including contracts, agency, partnerships and corporations, property, wills and trusts, securities regulation, consumer protection, and antitrust. Students may not receive credit for both BUL 3310 and 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.

RMI 3011. Risk Management/Insurance (3). Prerequisite: STA 3014. An introduction to the principles of risk management and insurance and their application to personal and business pure risk problems.

REE 4103. Real Estate Appraisal (3). Prerequisite: REE 3043. The course acquaints the student with the appraisal process and the basics of appraisal language. 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 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 Feasibility Analysis (3). Prerequisites: REE 3043 and REE 4103 or REE 4204 or departmental permission. A course synthesizing real estate finance, investment analysis, and project planning. Project oriented, treating the comprehensive feasibility analysis process.

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 (9) semester hours.

REE 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine (9) semester hours. Six (6) semester hours of thesis are required to complete honors in the major.

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). Prerequisites: FIN 3403, RMI 3011, and RMI 4224. 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). Prerequisites: RMI 3011 and 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. May be repeated to a maximum of six (6) semester hours.

RMI 4347. Commercial Risk Management (3). Prerequisites: FIN 3403 and 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 (3) times.

RMI 4970r. Honors Thesis (1–6). Prerequisite: Admission to the honors program. May be repeated to a maximum of nine (9) semester hours. Six (6) semester hours of thesis are required to complete honors in the major.

Graduate Courses

BUL 5810. The Legal and Ethical Environment of Business (4).

REE 5205. Topics in Real Estate Finance and Appraisal (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 5935r. Special Topics in Real Estate (1–3).
- RMI 5011C. Fundamentals of Risk and Insurance (4).
- RMI 5136. Employee Benefit Plans (3).
- RMI 5225C. 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 course work 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

Director: Lee Metcalf (Social Sciences); **Professors:** Oldson (History), O'Sullivan (Geography), Wynot (History); **Associate Professors:** Efimov (Modern Languages and Linguistics), Grant (History), Romanchuk (Modern Languages and Linguistics); **Assistant Professor:** Wakamiya (Modern Languages and Linguistics); **Visiting Professor:** Kemahlioglu (Political Science); **Instructor:** Kotchikian (Political Science)

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, that give students the needed cultural immersion with more general comparative courses, that provide 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 four components: 1) a language requirement; 2) a history requirement; 3) area-specific course work that emphasizes one of two tracks; and 4) a concepts and theories tool requirement to be fulfilled in the student's major track. The total hour requirements for a major are a minimum of twelve (12) semester hours in an approved area language plus an additional thirty-six (36) semester hours beyond the liberal studies requirements (with a grade of "C" or better in each course) distributed across the history requirement and the two tracks. As an interdisciplinary program, no minor is required.

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://academic-guide.fsu.edu/> for more information.

Language Requirement

All students are required to take twelve (12) semester hours of course work in a relevant area language (Russian, German, Czech, Serbo-Croatian, or some other East European language). 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 course work hours taken beyond the twelve (12) semester hour minimum will be counted toward the required thirty-six (36) semester hours for the major.

History Requirement

Students are required to take a minimum of six (6) semester hours of work in the Russian and East European history courses listed below.

Major and Minor Track Requirements

Students are to select either the social science track or the arts and humanities track as the major focus of their course work. Students are to take a minimum of twelve (12) semester hours of course work from among those area specific courses listed for their major track and a minimum of six (6) semester hours of course work from among those area specific courses listed for their minor track.

Concepts and Theories Tool Requirement

For each of the two tracks, a larger number of concepts and theories courses are listed, selected from the relevant disciplines. Students are to take six (6) semester hours of course work from among those courses listed for their major track. Students should select these courses with some care and in consultation with their academic adviser. Students are encouraged to select from among history- and area- specific courses to complete hours in the major, although additional concepts and theory courses may be used to meet required prerequisites for the social-science track.

Minor

Students pursuing a minor in the program must complete eighteen (18) semester hours of Russian and East European course work beyond the liberal studies requirement. In this case none of the broader comparative concepts and theories courses will count toward the eighteen (18) semester hour minimum. Students may select freely from all area specific courses so long as at least three (3) semester hours are taken in history and each of the two tracks.

Approved Courses

Russian and East European History

EUH 2035	Hitler and Stalin: Their Era and Legacies (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)
WOH 4244	World War II (3)

Social Science Track—Area Specific

CPS 4321	Contemporary Policy Studies: Contemporary Southeast Europe (3)
ECS 4333	Transition of Soviet and Eastern European Economies (3)
GEA 4500	Europe (3)
GEA 4554	Russia and Southern Eurasia (3)
INR 4083	International Conflict (3)

Social Science Track—Comparative Concepts and Theories

CPO 2002	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)
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 3540	Economic Geography (3)
GEO 4420	Cultural Geography (3)
GEO 4471	Political Geography (3)
GEO 4480	Military Geography (3)
INR 2002	Introduction to International Relations (3)
INR 3603	Theories of International Relations (3)
INR 4702	Political Economy of International Relations (3)
MAN 3600	Multinational Business Operations (3)
PAD 3003	Public Administration in American Society (3)
POS 4210	Economic Interpretations of American Politics (3)
POT 3003	Introduction to Political Thought (3)
PSY 2012	General Psychology (3)
PUP 3002	Introduction to Public Policy (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)
 SYO 4550 Comparative Sociology (3)
 SYP 3000 Social Psychology of Groups (3)
 SYP 3300 Collective Action and Social Movements (3)
 SYP 3540 Sociology of Law (3)
 SYP 4340 Public Opinion Analysis (3)

Arts and Humanities—Area Specific

- 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 3523 Russian Cinema
 RUW 3100 Survey of Russian Literature I (3)
 RUW 3101 Survey of Russian Literature II (3)
 RUW 4370 Russian Short Story and Povest (3)
 RUW 4470r Modern Russian Literature (3)
 SLL 3500 Slavic Culture and Civilization (3)
 SLL 3510 The Slavic Vampire (3)

Arts and Humanities—Comparative Concepts and Theories

- ANT 2410 Introduction to Cultural Anthropology (3)
 ANT 3212 Peoples of the World (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)
 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)
 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)

Definition of Prefix

EUS—European Studies

Undergraduate Courses

EUS 4905r. Directed Individual Study (1–3). May be repeated to a maximum of nine (9) semester hours.

EUS 4970r. Honors Thesis (1–6). Six (6) hours of credit must be taken in two (2) successive semesters and must result in the production of a thesis. May be repeated to a maximum of nine (9) 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

Interdisciplinary Major in SECONDARY SCIENCE AND/OR MATHEMATICS TEACHING (SSMT)

COLLEGE OF ARTS AND SCIENCES

Director and Adviser: Dr. Ellen Granger, Office of Science Teaching Activities

This interdisciplinary major is designed to address the critical shortage of science and mathematics teachers in the state of Florida. Students completing this four-year program will receive a Bachelor of Science (BS) degree from the College of Arts and Sciences and are qualified for certification to teach in secondary (grades 6-12 certification) schools in Florida and for national certification.

The SSMT program includes several unique features:

- 1) The condensed pedagogy component frees students to take additional courses in their areas of specialty
- 2) In most cases, a student will be certified to teach in two areas. This feature prepares teachers for the reality of the secondary school environment, where teachers are often required to teach more than one subject
- 3) A seminar course addresses specific problems and issues related to science and mathematics teaching at the secondary level

Students must complete a basic science/math core and courses from one of the six specialty tracks (mathematics/physics, physics/chemistry, physics/earth-space science, biology/chemistry, biology/earth-space science, mathematics/statistics). Each specialty track has been certified as an approved teacher education program by the Florida Department of Education.

Students may elect to obtain a double major by completing the major requirements for any of the individual science or math departments in addition to the program listed below. In most cases, the second major requires about twenty (20) to twenty-six (26) additional semester hours in the department granting the second major, as opposed to a minimum of thirty (30) semester hours of work, should the student decide to obtain a second degree after graduation.

All students must complete the University's liberal studies requirements, including computer and oral competency, core courses, and one of the specialty tracks.

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 secondary science and/or mathematics teaching satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, or EME 2040.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into this upper-division degree program:

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. MAC X114
 - b. MAC X140
 - c. Fifteen (15) semester hours in the science/mathematics area of specialization. Contact the department for details.

The common course prerequisites listed above apply to each of the seven tracks in secondary science/math teacher education.

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) additional 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

College Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*. Please refer to the "Planning Guide to Teacher Education Program" section in the "College of Education" chapter of this *General Bulletin*. Contact the program director for details.

Secondary Science and/or Mathematics Track I: Biology/Chemistry

1. Liberal Studies:

See the "Teacher Preparation General Education" section of the "College of Education" chapter in this *General Bulletin* and the State of Florida Common Course Prerequisites listed above.

2. Science/Math Core (includes liberal studies, natural science):

BSC 2010 Biological Science I (3)
 BSC 2010L Biological Science I Laboratory (1)
 CHM 1045C General Chemistry I (4)
 PHY 2048C General Physics A (5)

OR

PHY 2053C College Physics A (4)

3. Modern Language: twelve (12) semester hours (department depends on language selected)

4. Education Core:

EDF 4210 Educational Psychology: Developing Learners (3)
 EDF 4430 Classroom Assessment (3)
 EME 2040 Introduction to Educational Technology (3)
 RED 4335 Content Area Reading for Secondary School Teachers (3)
 SCE 4939r Seminar in Contemporary Science, Mathematics, and Science Education (1)
 TSL 4324 ESOL Instruction in the Content Area (3)

5. Advanced Courses Required for Specialization:

BCH 4053 General Biochemistry I (3)
 BOT 3015 Plant Biology (2)
 BSC 2011 Biological Science II (3)
 BSC 2011L Animal Diversity Laboratory (2)
 BSC 3402L Experimental Biology Laboratory (2)
 CHM 1046C General Chemistry II (5)
 CHM 2210 Organic Chemistry I (3)
 CHM 2211 Organic Chemistry II (3)
 CHM 2211L Organic Chemistry II Laboratory (3)
 PCB 3063 General Genetics (3)
 PCB 4674 Evolution (3)
 SCE 4362 Teaching and Learning Science (3)
 SCE 4944 Student Teaching in Science (10)
 SCE 4948 Classroom Management and Planning in Science Education (3)

AND

BSC 2086 Anatomy and Physiology II (3)

OR

PCB 2099 Human Physiology (3)

AND

CHM 3120C Introduction to Analytical Chemistry (4)

OR

XXX XXXX Biology Elective (4)

Secondary Science and/or Mathematics Track II: Biology/Earth-Space Science

1. Liberal Studies:

See the "Teacher Preparation General Education" section of the "College of Education" chapter in this *General Bulletin* and the State of Florida Common Course Prerequisites listed above.

2. Science/Math Core (includes liberal studies, natural science):

BSC 2010 Biological Science I (3)

BSC 2010L Biological Science I Laboratory (1)

CHM 1045C General Chemistry I (4)

AND

ISC 3076 Science, Technology, and Society (3)

OR

PHI 3400 History and Philosophy of Science (3)

3. **Modern Language:** twelve (12) semester hours (department depends on language selected).

4. **Education Core:**

EDF 4210 Educational Psychology: Developing Learners (3)

EDF 4430 Classroom Assessment (3)

EME 2040 Introduction to Educational Technology (3)

RED 4335 Content Area Reading for Secondary School Teachers (3)

SCE 4939r Seminar in Contemporary Science, Mathematics, and Science Education (1)

TSL 4324 ESOL Instruction in the Content Area (3)

5. **Advanced Courses Required for Specialization:**

AST 3033 Recent Advances in Astronomy and Cosmology (3)

BOT 3015 Plant Biology (2)

BSC 2011 Biological Science II (3)

BSC 2011L Animal Diversity Laboratory (2)

BSC 3402L Experimental Biology Laboratory (2)

GLY 2010C Physical Geology (4)

GLY 2100 Historical Geology (3)

GLY 2100L Historical Geology Laboratory (1)

MET 1010 Introduction to the Atmosphere (3)

OCE 4011 Principles of Oceanography (3)

PCB 3063 General Genetics (3)

PCB 4674 Evolution (3)

SCE 4362 Teaching and Learning Science (3)

SCE 4944 Student Teaching in Science (10)

SCE 4948 Classroom Management and Planning in Science Education (3)

XXX XXXX Biology Electives (7) (BSC 4900 strongly recommended)

XXX XXXX Earth/Space Science Electives (4)

AND

BSC 2086 Anatomy and Physiology II (3)

OR

PCB 2099 Human Physiology (3)

Secondary Science and/or Mathematics Track III: Mathematics/Physics

1. **Liberal Studies:**

See the "Teacher Preparation General Education" section of the "College of Education" chapter in this *General Bulletin* and the State of Florida Common Course Prerequisites listed above.

2. **Science/Math Core (includes liberal studies, natural science):**

CGS 3408 Introduction to Programming with the C Language (3)

CHM 1045C General Chemistry I (4)

PHY 2048C General Physics A (5)

AND

ISC 3076 Science, Technology, and Society (3)

OR

PHI 3400 History and Philosophy of Science (3)

3. **Modern Language:** Twelve (12) semester hours (department depends on language selected).

4. **Education Core:**

EDF 4210 Educational Psychology: Developing Learners (3)

EDF 4430 Classroom Assessment (3)

EME 2040 Introduction to Educational Technology (3)

RED 4335 Content Area Reading for Secondary School Teachers (3)

SCE 4939r Seminar in Contemporary Science, Mathematics, and Science Education (1)

TSL 4324 ESOL Instruction in the Content Area (3)

5. **Advanced Courses Required for Specialization:**

MAC 2311 Calculus with Analytic Geometry I (4)

MAC 2312 Calculus with Analytic Geometry II (4)

MAC 2313 Calculus with Analytic Geometry III (5) (Optional)

MAE 4330 How Adolescents Learn Mathematics (3)

MAE 4335 Teaching High School Mathematics (3)

MAE 4940 Classroom Management and Planning Instruction in Middle/High School Mathematics (4)

MAE 4945 Student Teaching in Mathematics (dual Math/Physics internship) (12)

MAS 3105 Applied Linear Algebra I (4)

MAS 3301 Introduction to Modern Algebra (3)

MTG 4212 College Geometry (3)

PHY 2049C General Physics B (5)

PHY 3101 Intermediate Modern Physics (3)

PHY 3221 Intermediate Mechanics (3)

PHY 3424 Optics (3)

PHY 3802L Intermediate Laboratory A (1)

PHY 4905r Directed Individual Study (3) (Optional)

SCE 4905r Directed Individual Study (1)*

STA 4442 Introductory Probability I (3)

AND

MAP 2302 Ordinary Differential Equations (3)

OR

MAP 3305 Engineering Mathematics I (3)

* Although a variable credit course, the number in parentheses represents the secondary science and/or mathematics teaching requirement.

Secondary Science and/or Mathematics Track IV: Mathematics/Statistics

1. **Liberal Studies:**

See the "Teacher Preparation General Education" section of the "College of Education" chapter in this *General Bulletin* and the State of Florida Common Course Prerequisites listed above.

2. **Science/Math Core (includes liberal studies, natural science):**

BSC 2010 Biological Science I (3)

CGS 3408 Introduction to Programming with the C Language (3) (Optional)

CHM 1045C General Chemistry I (4)

PHY 2048C General Physics A (5)

AND

ISC 3076 Science, Technology, and Society (3)

OR

PHI 3400 History and Philosophy of Science (3)

3. **Modern Language:** Twelve (12) semester hours (department depends on language selected).

4. **Education Core:**

EDF 4210 Educational Psychology: Developing Learners (3)

EDF 4430 Classroom Assessment (3)

EME 2040 Introduction to Educational Technology (3)

RED 4335 Content Area Reading for Secondary School Teachers (3)

SCE 4939r Seminar in Contemporary Science, Mathematics, and Science Education (1)

TSL 4324 ESOL Instruction in the Content Area (3)

5. **Advanced Courses Required for Specialization:**

MAC 2311 Calculus with Analytic Geometry I (4)

MAC 2312 Calculus with Analytic Geometry II (4)

MAC 2313 Calculus with Analytic Geometry III (5)

MAD 2104 Discrete Mathematics I (3)

MAE 4330 How Adolescents Learn Mathematics (3)

MAE 4335 Teaching High School Mathematics (3)

MAE 4940 Classroom Management and Planning Instruction in Middle/High School Mathematics (4)

MAE 4945 Student Teaching in Mathematics (12)

MAP 2302 Ordinary Differential Equations (3)

MAP 4103 Mathematical Modeling (3)

MAS 3105 Applied Linear Algebra I (4)

MAS 3301 Introduction to Modern Algebra (3)

MTG 4212 College Geometry (3)

STA 4442 Introductory Probability I (3)

Secondary Science and/or Mathematics Track V: Physics/Chemistry

1. **Liberal Studies:**

See the "Teacher Preparation General Education" section of the "College of Education" chapter in this *General Bulletin* and the State of Florida Common Course Prerequisites listed above.

2. **Science/Math Core (includes liberal studies, natural science):**

BSC 2010 Biological Science I (3)

CHM 1045C General Chemistry I (4)

PHY 2048C General Physics A (5)

AND

ISC 3076 Science, Technology, and Society (3)

OR

PHI 3400 History and Philosophy of Science (3)

3. **Modern Language:** Twelve (12) semester hours (department depends on language selected).

4. **Education Core:**

EDF 4210 Educational Psychology: Developing Learners (3)

EDF 4430 Classroom Assessment (3)

EME 2040 Introduction to Educational Technology (3)

RED 4335 Content Area Reading for Secondary School Teachers (3)

SCE 4939r Seminar in Contemporary Science, Mathematics, and Science Education (1)

TSL 4324 ESOL Instruction in the Content Area (3)

5. **Advanced Courses Required for Specialization:**

CHM 1046 General Chemistry II (3)

CHM 1046L General Chemistry II Laboratory (0)

CHM 2210 Organic Chemistry I (3)

CHM 3400 General Physical Chemistry (4)

MAC 2311 Calculus with Analytic Geometry I (4)

MAC 2312 Calculus with Analytic Geometry II (4)

PHY 2049C General Physics B (5)

PHY 3101 Intermediate Modern Physics (3)

PHY 3424 Optics (3)

PHY 3802L Intermediate Laboratory A (1)

PHY 4905r Directed Individual Study (3) (Optional)

SCE 4362 Teaching and Learning Science (3)

SCE 4944 Student Teaching in Science (10)

SCE 4948 Classroom Management and Planning in Science Education (3)

AND

BCH 3023C Introduction to Biochemistry (3)

OR

BCH 4053 General Biochemistry I (3)

Choice of:

MAP 3305 Engineering Mathematics I (3)

AND

PHY 3221 Intermediate Mechanics (3)

OR

CHM 2211 Organic Chemistry II (3)

AND

CHM 2211L Organic Chemistry II Laboratory (3)

RED 4335 Content Area Reading for Secondary School Teachers (3)

SCE 4939r Seminar in Contemporary Science, Mathematics, and Science Education (1)

TSL 4324 ESOL Instruction in the Content Area (3)

5. **Advanced Courses Required for Specializations:**

AST 3033 Recent Advances in Astronomy and Cosmology (3)

GLY 2010C Physical Geology (4)

MAC 2311 Calculus with Analytic Geometry I (4)

MAC 2312 Calculus with Analytic Geometry II (4)

MAP 3305 Engineering Mathematics I (3)

MET 2700 General Meteorology (2)

PHY 2049C General Physics B (5)

PHY 3101 Intermediate Modern Physics (3)

PHY 3221 Intermediate Mechanics (3)

PHY 3424 Optics (3)

PHY 3802L Intermediate Laboratory A (1)

SCE 4362 Teaching and Learning Science (3)

SCE 4944 Student Teaching in Science (10)

SCE 4948 Classroom Management and Planning in Science Education (3)

XXX XXXX Earth/Space Science Electives (6) (GLY 4905, MET 4905 or OCE 4905 strongly recommended)

OCE 4011 Principles of Oceanography (3)

OR

OCE 5009 Advanced General Oceanography (3)

FSU-Teach Program in Science or Mathematics Education

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 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>.

Graduate Courses

The Office of Science Teaching offers a Master's in Science Teaching (MST) combined with a Bachelor's degree in one of the science disciplines (biology, chemistry, physics) or secondary science and/or mathematics teaching. Degree candidates follow a prescribed course of study to earn both the Bachelor's and Master's degrees. For detailed information about the programs and admission and program requirements for the MST program, consult the *Graduate Bulletin*, or visit <http://bio.fsu.edu/ssmt/>.

SERBO-CROATIAN; SLAVIC:
see Modern Languages and Linguistics

Secondary Science and/or Mathematics Track VI: Physics/Earth-Space Science

1. **Liberal Studies:**

See the "Teacher Preparation General Education" section of the "College of Education" chapter in this *General Bulletin* and the State of Florida Common Course Prerequisites listed above.

2. **Science/Math Core (includes liberal studies, natural science):**

CHM 1045C General Chemistry I (4)

PHY 2048C General Physics A (5)

AND

ISC 3076 Science, Technology, and Society (3)

OR

PHI 3400 History and Philosophy of Science (3)

3. **Modern Language:** Twelve (12) semester hours (department depends on language selected).

4. **Education Core:**

EDF 4210 Educational Psychology: Developing Learners (3)

EDF 4430 Classroom Assessment (3)

EME 2040 Introduction to Educational Technology (3)

Interdisciplinary Program in SOCIAL SCIENCE

COLLEGE OF SOCIAL SCIENCES

Director: Robert E. Crew, Jr., Office of the Dean, College of Social Sciences

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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Two introductory courses for six (6) semester hours in a social science discipline

Requirements

A major in the interdisciplinary program requires forty-two (42) semester hours, including nine (9) 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 (18) semester hours in one department, a second concentration of twelve (12) semester hours in another department, while the remaining twelve (12) semester hours may be distributed among any of the remaining social science departments. Students must complete a total of twenty (20) semester hours in courses numbered above 2999. A minimum cumulative grade point average (GPA) of 2.0 on all course work 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://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 (15) semester hours of course

work 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

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 (9) semester hours.

ISS 4905r. Directed Individual Study (1–3). May be repeated to a maximum of six (6) semester hours.

ISS 4906r. Directed Individual Study (3). May be repeated to a maximum of six (6) semester hours.

ISS 4907r. Honors Work (1–6). May be repeated to a maximum of nine (9) 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 (18) 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 (6) 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.)

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 5930r. Special Topics in Social Science (1–3).

ISS 5945. Internship (3–6).

ISS 5942r. Supervised Teaching (1–3). (S/U grade only.)

ISS 5951r. Problem Analysis Project (3).

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

SOCIAL WORK

COLLEGE OF SOCIAL WORK

Professors: Abell, Mazza, Smith, Thyer, Vinton; **Associate Professors:** T. Gomory, Hinterlong, Randolph, Ryan, Siebert, Teasley, Wilke; **Assistant Professors:** Munn, Noel, Radey, Tripodi; **Lecturers:** Ashmore, Berry, F. Gomory, Keroack, Mathis, Ross-Donaldson; **Associates in Social Work:** Calohan, Shaheen; **Assistant in Field Education:** Deckerhoff; **Faculty Administrators:** Boone, Graham, Lager, Maddox, Stanley, Verano

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 of Social Work (MSW) degree, designed as an advanced practice degree, to increase the skills of professional social workers to more advanced competencies acquired through two concentrations—clinical social work and 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.

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 or CGS 2064.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Three (3) semester hours in **each** of the following:

1. American government (American national government or American government)
2. Biology (human biology or anatomy and physiology)
3. Economics (microeconomics or macroeconomics [ECO prefix])
4. Introductory psychology
5. Introductory sociology/social problems

Definition of Prefix

SOW—Social Work

Undergraduate Courses

SOW 1054r. Human Services Experience (1). (S/U grade only.) This course entails a direct human service experience in a social services agency or community organization or program. Thirty (30) 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 three (3) 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 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 4370. Supervised Visitation (3). (S/U grade only.) In this course, students have the opportunity to be involved in supervised visitation in conjunction with the Florida Department of Children and Families. The course is conducted in practicum format with training and mandatory weekly supervised visitation. The students observe visitation, learn and analyze policies, and integrate an understanding of child abuse, neglect, and family dynamics.

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 (12) 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. Aging and Old Age: Social Work with the Aged (3). This course introduces students to the field of social gerontology and gerontological social work. This class provides an overview of a variety of topics such as the demography of aging and the physical, cognitive, and psychosocial aspects of aging.

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. Juvenile Justice: A Social Work Perspective (3). This course provides students with an overview of the juvenile justice system. This includes (but not is not limited to) the history of the juvenile justice system, the juvenile court system, the role of law enforcement, policy development and implementation, community issues involving youth, and the prevention and treatment of delinquency. Students also gain a first-hand perspective on these issues during required visits to various community agencies and organizations.

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 (8) credit hours in social work, a 2.75 GPA, and Instruction permission. May be repeated to a maximum of eight (8) 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 (12) 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 (9) semester hours.

SOW 4935r. Seminar in Social Work: Selected Topics (3). May be repeated to a maximum of twelve (12) 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 5282. Legislative Advocacy (3).

SOW 5308. Social Work Practice (3).

SOW 5324. Group Treatment in Social Work Practice (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 5374. Supervised Visitation (3). (S/U grade only).

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 and Policy 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 5612. Intensive Family Practice 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. Aging and Old Age: Social Work Perspectives (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. Juvenile Justice: A Social Work Perspective (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 6398. History and Philosophy of Social Welfare Services and Policies (3).

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. Introduction to Social Work Research Topics (3). (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 6697. Philosophies of Science 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 (1-4). (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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of SOCIOLOGY

COLLEGE OF SOCIAL SCIENCES

Chair: Irene Padavic; **Professors:** Carlson, Eberstein, Keith, Padavic, Quadagno, Turner; **Associate Professors:** Barrett, Brewster, Reynolds, Simon; **Assistant Professors:** Lloyd, McCabe, Rohlinger, Schrock, Starks, J. Taylor, M. Taylor, Tillman, Tope, Ueno; **Assistant in Sociology:** Schwabe; **Visiting Instructor:** Lessan; **Professors Emeriti:** Fendrich, Ford, Hardy, Hazelrigg, Isaac, Kinloch, Martin, Nam, Orcutt; **Affiliate Faculty:** Barker, Chiricos, Hinterlong, Miles, Milton

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 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 course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

Sociology majors should complete two (2) lower-level courses with the prefixes of SYA, SYD, SYG, SYO, or SYP.

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. 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 (30) 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 (15) 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.

Minor

A minor may be earned by completing any fifteen (15) semester hours in sociology with a grade of "C-" or better in each course. At least nine (9) of the fifteen (15) semester hours must be completed at Florida State University.

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.

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.

The Family

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?

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.

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.

SYO 4550. Comparative Sociology (3). This course deals with variations and patterns of development in individuals and social institutions across societies.

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.

Social Organization

SYD 3600. The Community in Urban Society (3). An introduction to the community as a changing form of social organization with emphasis on community field studies (ethnographies), theories of communal organization, and the study of community-specific processes such as power distribution and decision making, conflict, stratification, and the dynamics of land-use change. Special attention is given to the study of the metropolitan community in U.S. society and its inner city and suburbs.

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 (9) semester hours.

SYA 4930r. Selected Topics in Sociology (3). May be repeated to a maximum of nine (9) semester hours.

SYA 4931r. Honors Work (3). May be repeated to a maximum of nine (9) 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 (3) semester hours.

Graduate Courses

Sociological Theory

SYA 5018. Classical Social Theory (3).

SYA 5126. Contemporary Sociological Theory (3).

SYA 6934r. Selected Topics in Theory (3).

Research Methodology

SYA 5305. Introduction to Research Methods (3).

SYA 5315. Qualitative Research Methods in 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 (1). (S/U grade only.)

SYA 5516. Reporting Sociological Research (3). (S/U grade only.)

SYA 6936r. Selected Topics in Research Methods (3).

Area Courses

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.)

SYA 5326. Injury Epidemiology (3).

SYA 5355. Comparative Historical Sociology (3).

SYA 5625. Proseminar in Sociology (0–3). (S/U grade only.)

SYA 6660. Teaching at the College Level in Sociology (3).

SYA 6912. Epidemiology Research Paper (6). (S/U grade only.)

SYA 6938r. Selected Topics in Social Institutions, Social Organization, and Social Policy (3).

SYD 5045. Introduction to Demography (3).

SYD 5105. Population Theory (3).

SYD 5134. Environmental Epidemiology (3).

SYD 5135. Techniques of Population Analysis (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).

SYD 5215. Mortality (3).

SYD 5225. Fertility (3).

SYD 5705. Sociology of Race and Ethnicity (3).

SYD 5817. Contemporary Theories of Gender (3).

SYO 5107. Sociology of the Family (3).

- SYO 5177.** Family Demography (3).
SYO 5306. Political Sociology (3).
SYO 5335. Sociology of Political Economy (3).
SYO 5376. Sociology of Gender and Work (3).
SYO 5405. Health Institutions and Social Policy (3).
SYO 5416. Stress and Mental Health (3).
SYO 5426. Gender and Mental Health (3).
SYO 5535. Inequalities: Race, Class, Gender (3).
SYO 5547. Race and Gender in Organizations (3).
SYO 6373. Sociology of Work and Labor Markets (3).
SYO 6407. Race, Ethnicity and Health (3).
SYO 6506r. Advanced Research Seminar in Social Organization (3–9).
SYO 6538r. Advanced Research Seminar in Stratification and Inequality (3–9).
SYP 5005. Social Interaction (3).
SYP 5006. Identity and the Self (3).
SYP 5007. Sociology of Emotion (3).
SYP 5305. Collective Behavior and Social Movements (3).
SYP 5447. Sociology of National Development (3).
SYP 5516. Sociological Theories of Deviance (3).
SYP 5733. Social Psychology of Aging (3).
SYP 5735. Sociology of Aging (3).
SYP 5737. The Dynamics of Aging and Social Change (3).
SYP 6356. Sociology of the Contemporary Women's Movement (3).

Others

- 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 6933r. Selected Topics in Sociology (3).
SYA 8945r. Doctoral Review Paper (1–12). (S/U 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, RECREATION MANAGEMENT, AND PHYSICAL EDUCATION

COLLEGE OF EDUCATION

Chair: Cheryl S. Beeler; **Associate Professors:** Beeler, Dunn, Fletcher, James, Lynn, Mondello, Ratliffe; **Assistant Professors:** Kim, Lee, Rudd; **Associates in Recreation and Leisure Services:** Keweenaw; **Assistants in Leisure and Recreation Services:** Prince; **Associates in Physical Education:** Nobles, Reynaud; **Assistants in Physical Education:** McManus, Mosier; **Professors Emeriti:** Burton, Cannon, Everett, Fox, Imwold, Jones, Mundy, Veller, Wells

The Department of Sport Management, Recreation Management, and Physical Education offers (1) a Bachelor of Science (BS) degree in physical education with two majors, one leading to K-12 teacher certification in physical education, and one in sport management as well as (2) a Bachelor of Science (BS) degree in recreation and leisure services administration.

Students seeking admission to any of the department's majors must have a 2.5 GPA and a "C" in all math and English courses. In addition, students seeking admission for recreation management must have passing or exempt scores on all four subtests of the Florida College Level Academic Skills Test (CLAST). For the sport management program, a minimum grade of "C-" or better must be earned in each departmental prerequisite and program course in order to move on to the next course in the program sequence. Applicants to the physical education teacher certification program must have passing scores on the Florida Teacher Certification Exam (FTCE) General Knowledge Test to be considered. A minimum grade of "C-" or better must be earned in each departmental prerequisite and program course in order to move on to the next course in the program sequence. If at any point a student has a combination of three "D"s and "F"s, the student may be dismissed from the program. Please refer to the 'Teacher Preparation General Education Requirements' section of the "College of Education" chapter in this *General Bulletin* for additional details.

The department utilizes centralized advising procedures and all entering students must be advised by the designated coordinator of undergraduate studies for each specific program. The recreation management program also assigns all new students to a faculty member who serves as an adviser throughout each student's course of study.

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 Preservice Teacher Preparation Programs.

Inventory of State-Approved Initial Certification Programs

The following program has been approved by the Florida Department of Education (DOE) as Initial Certification Teacher Preparation Programs at the baccalaureate level: Physical Education (Grades K-12, DOE Certification Area 424)

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 and recreation and leisure services administration satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064, and CGS 2100. Undergraduate majors in physical education 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 course prerequisites for the following University degree programs. 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 these programs. **Students may be admitted into the University without completing the prerequisites, but may not be admitted into the program.**

The following lists the common prerequisites or their substitutions necessary for admission into these upper-division degree programs:

Recreation and Leisure Services Administration—Professional

DEP X004 or RCS X061 (this must be a human growth and development across the life span course)

Physical Education (Sport Management)

1. One course (three [3] semester hours) with prefix FIN, MAR, or GEB
2. One course (three [3] semester hours) with prefix ACG, BUL, CGS, MAN, REE or STA
3. One course (three [3] semester hours) with prefix COM, ECO, HFT, RMI, or SDS
4. PET X303C or BSC X085/X085L (anatomy and physiology concepts [four (4) semester hours])
5. PET X622C (care and prevention of athletic injuries)

Physical Education Teaching and Coaching

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Three to four (3–4) semester hours of anatomy and physiology I with lab
 - b. Three to four (3–4) semester hours of care and prevention of athletic injuries or anatomy and physiology II with lab
 - c. Four to five (4–5) semester hours of skill development courses in physical activity
 - d. Three (3) semester hours of conditioning, fitness, and wellness courses in physical activities

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to general education course work.

Limited Enrollment Programs

No student, transfer or otherwise, may be admitted to limited access, College of Education Teacher Preparation Programs without first completing the general education and specific 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*.

Teacher Certification Program

The teacher certification program provides the academic course work and the pre-professional public school experience necessary to become an effective teacher of physical education. Course work is arranged in a specific four-semester sequence designed to culminate in student teaching. The placement of student teachers will be concentrated in area I. The course of study leading to a baccalaureate degree and teacher certification encompasses three areas of work: 1) required block and foundation courses; 2) required elementary and secondary courses; and, 3) professional education requirements. Additionally, all physical education teacher certification majors are required to take TSL 4324, RED 4335, and EDF 4210. **New admissions to the physical education program occur only in the Fall semester; students should work closely with an adviser to plan completion of basic requirements around the Fall timetable.**

A GPA of 2.5 is required for admission to the program and must be maintained for eligibility to student teach in the final semester. All students must meet the requirements for admission to teacher education and professional education, which are explained in the "College of Education" chapter of this

General Bulletin. Applicants must submit a completed application for the physical education program to the School of Teacher Education no later than March 15 of the Spring term preceding Fall entry to the major.

Recreation and Leisure Services Administration

Coordinator: Cheryl Beeler; **Associate Professors:** Beeler, Dunn, Fletcher; **Assistant Professor:** Lee; **Associate in Recreation and Leisure Services:** Keweenaw; **Visiting Assistant in Recreation and Leisure Services:** Prince; **Professors Emeriti:** Cannon, Mundy.

The Recreation and Leisure Services Administration program offers courses leading to the Bachelor of Science (BS) and Master of Science (MS) degrees in Recreation and Leisure Services Administration. The undergraduate program is nationally accredited by the National Recreation and Park Association's Council on Accreditation. The Bachelor's degree is designed to prepare individuals for professional positions in such settings as special events management, outdoor recreation, resort and commercial recreation, corporate and employee recreation, public park and recreation, church, youth-serving and military agencies, fitness, sport management, 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, outdoor recreation specialists, adult and youth sports supervisors, administrators, activities directors, special events coordinators, fitness specialists, and guest service coordinators.

At the graduate level, the Master's degree is designed to prepare individuals for administrative and management positions of recreation/leisure/park agencies. Students may select one of many curricular concentrations, such as event management, public administration, gerontology, or college teaching. The graduate curriculum is designed to meet the interests and needs of the students. Course work may be designed for other specialty areas, such as outdoor adventure recreation, special events management, and commercial/resort recreation.

Admission

Applicants for admission to Florida State University must also apply directly to the recreation and leisure services administration program. Admission to the undergraduate program is based upon: 1) formal application and interview; and 2) successful completion of the required State of Florida common course prerequisites and a passing score on each section of the CLAST. For application materials, contact: Undergraduate Coordinator, Recreation and Leisure Services Administration, 200 Tully Gym, Florida State University, Tallahassee, FL 32306-4280 or visit <http://www.fsu.edu/~smrmp/programs/rm/admission.htm>.

Degree Requirements

To earn a Bachelor's degree in Recreation and Leisure Services Administration, students must successfully complete a minimum of sixty (60) semester hours at the upper-division level. The sixty (60) semester hours include: (1) thirty (30) semester hours of required course work: LEI 3004, 3140, 3420, 3403, 3435, 4551, 4524 4551, 4602, 4881, 4930; 2) two (2) semester hours of fieldwork: LEI 4921r; 3) fifteen (15) semester hours of internship: LEI 4940r; 4) twelve (12) semester hours of approved specialization course work; and 5) four (4) semester hours of prerequisite coursework. Students must be certified in first aid/CPR prior to enrolling in LEI 4940 Internship in Leisure Services.

To be eligible for the internship, which is scheduled the last semester of the program of study, students must have earned a 2.5 cumulative GPA in all college course work and a 2.5 GPA in all core courses bearing the prefix LEI. A minimum grade of "C–" or better must be earned in all program course work.

Sport Management Program

Coordinator: James; **Associate Professors:** James, Mondello; **Assistant Professor:** Kim, Rudd; **Associates in Sport Management:** Nobles, Reynaud; **Assistants in Sport Management:** McManus

The sport management program provides academic course work 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. Prerequisites for sport management may be selected from 2000-level business and/or economics classes. Students may only enter the sport management program at the beginning of the Fall semester.

Noncredential/Nondegree Programs

Coaching Specialization

The course of study for a specialization in coaching includes PEO 2013; PET 2303C, 2622C, 4203, 4300; and at least two of the following: PEO 2624,

3219, 3644; PEP 3304. In addition, students must hold a current cardiopulmonary resuscitation (CPR) certification at the completion of the program. A minimum grade of "C–" must be earned in all program work. Students are provided an additional option of obtaining a national certification within this specialization through the American Coaches Education Program (ACEP).

Definition of Prefixes

LEI—Leisure

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 courses with the repeat designation of "r" may be repeated for a maximum of four (4) semester hours.

LEI 1264 r **Backpacking (1).** (S/U grade only.)

LEI 1267r **Canoeing/Kayaking (1).** (S/U grade only.)

LEI 1269r **Rock Climbing (1).** (S/U grade only.)

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.)

PEP 1001r. **Contemporary Activities Techniques (1).** (S/U grade only.) May be repeated during the same semester.

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 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

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.

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 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 3020. Foundations of Physical Education (3). Acquaints physical education majors with the basis for, heritage of, and current trends in the field of study.

PET 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

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 4253. Lesbian and Gay Sport Studies (3). This course provides an overview of lesbian and gay people in sport with a historical and contemporary socio-cultural perspective involving both the lesbian and gay sport industry and the mainstream sport industry.

PET 4254. Gender Issues in Sport and Physical Activity (3). The course will critically examine the relationship between gender and sport/physical activity.

PET 4259. Race and Ethnicity in Sport (3). This course examines the unique role and impact racism and ethnicity have had in the world of sport. Teachers and coaches of all levels of sport organizations are introduced to the realities of bias and prejudice within sport. The experiences of numerous ethnic minority groups and their challenges to participate, compete, coach, manage, lead, and own sport organizations in the United States also are examined.

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 4401. Administration of Sport and Physical Education (3). Problems in planning, organizing, and conducting a program in physical education and sports in both school and nonschool settings are covered.

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 4477. Human Resource Management in Sport (3). Prerequisite: Admittance to the sport-management major program. This course is an introduction to the basic elements of human resources in sport organizations.

PET 4493. Ethics in Sport (3). This course is designed to assist students in self-evaluating, examining, and developing a philosophy, values, and moral reasoning skills. Major moral/ethical issues within sport are researched and discussed. Students experience the ethical decision-making process through opportunities for critical analysis by drawing upon their philosophical bases.

PET 4510. Tests and Measurements in Physical Education (2). Prerequisite: PET 3020. Corequisite: PET 4510L. The techniques for measuring and evaluating physical education learning outcomes.

PET 4510L. Tests and Measurements Practicum (1). Prerequisite: PET 3020. Corequisite: PET 4510. Practical application of skills and knowledge acquired in PET 4510 through the utilization of technology.

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 4625. Issues in Sports Medicine (3). Prerequisites: HSC 2400C and PET 3301C. Corequisite: PET 3600. Course covers advanced issues including sports medicine administration, sports medicine pharmacology, advanced assessment techniques, and orthopedic surgical observation.

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). Prerequisite: PET 3020. 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). Prerequisite: PET 3020. 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). Prerequisites: PET 3020 and 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 4905r. Directed Individual Study (1–3). Undergraduate study of a research problem, not to be used in lieu of a class. May be repeated to a maximum of twelve (12) semester hours.

PET 4930r. Special Topics in Physical Education (1–3). An analysis of selected topics in the field of physical education. May be repeated to a maximum of twelve (12) semester hours.

PET 4940r. Practicum in Physical Education (1–6). (S/U grade only.) Noncertification program. May be repeated to a maximum of ten (10) semester hours. For physical education noncertification majors only.

PET 4942r. Practicum in Sport Administration (3). For sport management students only. Practical experience is integrated with theoretical concepts in the sport management environment. May be repeated to a maximum of six (6) semester hours.

PET 4945. Student Teaching in Physical Education (9). (S/U grade only.) Prerequisites: PET 4432, PET 4710, and PET 4713. Corequisite: PET 4401. A one-semester school experience in the role of a professional educator.

Courses for Sport Management Majors

PET 3949r. Cooperative Education Work Experience (0). (S/U grade only.)

PET 4253. Lesbian and Gay Sport Studies (3). This course provides an overview of lesbian and gay people in sport with a historical and contemporary socio-cultural perspective involving both the lesbian and gay sport industry and the mainstream sport industry.

PET 4254. Gender Issues in Sport and Physical Activity (3). The course will critically examine the relationship between gender and sport/physical activity.

PET 4259. Race and Ethnicity in Sport (3). This course examines the unique role and impact racism and ethnicity have had in the world of sport. Teachers and coaches of all levels of sport organizations are introduced to the realities of bias and prejudice within sport. The experiences of numerous ethnic minority groups and their challenges to participate, compete, coach, manage, lead, and own sport organizations in the United States also are examined.

PET 4401. Administration of Sport and Physical Education (3). Problems in planning, organizing, and conducting a program in physical education and sports in both school and nonschool settings are covered.

PET 4477. Human Resource Management in Sport (3). Prerequisite: Admittance to the sport-management major program. This course is an introduction to the basic elements of human resources in sport organizations.

PET 4493. Ethics in Sport (3). This course is designed to assist students in self-evaluating, examining, and developing a philosophy, values, and moral reasoning skills. Major moral/ethical issues within sport are researched and discussed. Students experience the ethical decision-making process through opportunities for critical analysis by drawing upon their philosophical bases.

PET 4625. Issues in Sports Medicine (3). Prerequisites: HSC 2400C and PET 3301C. Corequisite: PET 3600. Course covers advanced issues including sports medicine administration, sports medicine pharmacology, advanced assessment techniques, and orthopedic surgical observation.

PET 4765. Principles and Problems of Coaching (3). The study of vital socio-psychological aspects of coaching.

PET 4905r. Directed Individual Study (1–3). Undergraduate study of a research problem, not to be used in lieu of a class. May be repeated to a maximum of twelve (12) semester hours.

PET 4930r. Special Topics in Physical Education (1–3). An analysis of selected topics in the field of physical education. May be repeated to a maximum of twelve (12) semester hours.

PET 4942r. Practicum in Sport Administration (3). For sport management students only. Practical experience is integrated with theoretical concepts in the sport management environment. May be repeated to a maximum of six (6) semester hours.

SPM 4003. Career in Professional Sport (3). 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 4020. Current 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 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 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.

Courses for Recreation and Leisure Services 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 (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. Analysis and Utilization of Leisure Activities (4). Development and understanding of leisure activities and how these activities meet the needs of individuals in today's society.

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 will 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 Leisure Systems (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 (12) 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 (6) 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 (9) semester hours.

LEI 4940r. Practicum in Leisure Services (15). Full-time experience in a leisure agency under the supervision of a professional practice practitioner. May be repeated to a maximum of thirty (30) 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 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).
- PEO 5002. Educational Games II (3).
- PEO 5042. Education Games I (3).
- PEP 5208. Educational Gymnastics (3).
- PET 5145. Issues in Physical Education (3).
- PET 5155. Current Issues in International Sport (3).
- PET 5156. International Sport Venues (3).
- PET 5252. Gender Issues in Sport and Physical Activity (3).
- PET 5258. Race and Ethnicity in Sport (3).
- PET 5415. Administration of 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 5535. Research Methods (3).
- PET 5645. Programs in Adapted Physical Education (3).
- PET 5710. Reflective Teaching in 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 5774. Methods and Materials of Teaching Fitness, K–12 (3).
- PET 5906r. Directed Individual Study (1–3). (S/U grade only.)
- PET 5912r. Supervised Research (1–4). (S/U grade only.)
- PET 5940r. Field Laboratory Internship (1–8). (S/U grade only.)
- PET 5942r. Supervised Teaching (1–4). (S/U grade only.)
- PET 5947r. Practicum in Sport Administration (3).
- PET 6419. Supervision in Physical Education (3).
- PET 6495. Seminar in Sport Ethics (3).
- PET 6506. Seminar in Sport Finance (3).
- PET 6706. Research on Teaching (3).
- PET 6790. Professional Preparation of Teachers of Physical Education (3).
- PET 6931r. Advanced Topics (1–4).
- SPM 5106. Facility Management in Sport (3).
- SPM 5116. Strategic Management for Sport Organizations (3).
- SPM 5156. Athletic Administration (3).
- SPM 5308. Marketing Sport (3).
- SPM 5405. Sport and the Media (3).
- SPM 5508. Fiscal Management in Sports (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 6006. Organizational Theory in Sport (3).
- SPM 6007. Leadership and Organizational Behavior in Sport (3).
- SPM 6008. Foundations in Sport Administration (3).
- SPM 6156. Seminar in Administration of Physical Education and Athletics (3).
- SPM 6309. Seminar in Sport Marketing (3).
- SPM 6728. Advanced Law in Sport and Physical Activity (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 STATISTICS

COLLEGE OF ARTS AND SCIENCES

Chair: Daniel McGee; **Director, Statistical Consulting Center:** Ramsier; **Professors:** Huffer, McGee, Niu, Sinha, Srivastava; **Associate Professors:** Bunea, Patrangenaru, Wegkamp; **Assistant Professors:** Barbu, Chicken, Wu, Zhang; **Associate in Statistics:** Ramsier; **Assistant in Statistics:** Bose; **Professors Emeriti:** Basu, Bradley, Hollander, Leysieffer, Marsaglia, Meeter, Sethuraman

The Department of Statistics offers programs leading to the Bachelor of Science (BS) degree (including an honors degree) in statistics with emphases in statistics and probability theory. These are mathematical disciplines that describe concepts of uncertainty in a quantitative way. The disciplines draw inspiration from the many areas to which they are applied. A statistician could be called upon to help decide whether an anesthetic has an adverse health effect upon operating room nurses, recognize images taken by remote sensors, analyze errors of measurement in a scientific experiment, determine public attitudes in an opinion poll, determine if a medical or pharmacological patient intervention is successful, or work with a team to design and analyze an experiment. Random phenomena such as these are handled through the use of probability models, which serve as guides in decision making, interpretation of data, and allocation of resources. Some courses in the curriculum emphasize the construction of probability models, whereas others focus upon the methodology of application of these models.

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 with one or more of the specializations of statistics or probability 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. STA 2122 or 2171 is a prerequisite for the remaining courses in the series, which are STA 3024, 4102, 4202, 4203, 4222, 4442, 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 (15) semester hours of course work 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 course work and research. Instruction is available, and use of computers is arranged for approved purposes. 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 CGS 3406.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. One course for three (3) semester hours (COP prefix) in a computer language (Pascal, FORTRAN, C, C+, or C++)
2. MAC X311
3. MAC X312

4. One laboratory-based science course for four (4) semester hours from the following: BSC XXXX/XXXXL or CHM XXXX/XXXXL or PHY XXXX/XXXXL

Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this *General Bulletin*.

Major

Eighteen (18) semester hours in statistics courses numbered at the 4000 level are required, including STA 4321 and 4322.

Note: STA 2122, 2171, or 3032 may be taken in place of a 4000-level course other than those specified. Additional requirements include CGS 3406; MAC 2312, 2313; and MAS 3105. A grade of "C–" or better must be earned in each statistics, mathematics, or computer science course counted toward the major. At least nine (9) semester hours of statistics courses counted toward the major 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.

Options

STA 4321 and 4322 constitute a basic core. Further courses may be selected for emphasis in statistical methodology, statistical theory, probability theory, stochastic processes, or actuarial science (MAP 4170, 4175). Students anticipating graduate study in statistics are encouraged to take additional mathematics courses such as MAA 4226, 4227, and MTG 4302.

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, 2313, 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 (12) semester hours in statistics courses, including STA 2122, 2171, or 4321. 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 (6) 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 eight (8) semester hours selected from any of STA 4102, 4202, 4203, 4222, 4502, and 4702
2. A minor with statistical theory as well as methodology: STA 4321 and 4322, plus six (6) 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 (15) semester hours of course work 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 (12) 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 (60) 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 (24) 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>.

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 2126 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 (2) 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 (2) 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 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 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. Only two (2) hours credit will be given for STA 4202 if a grade of “C–” or better has been earned in STA 3024. 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, or QMB 3200. Subsequent credit for STA 5207 is not permitted. Only two (2) hours credit will be given for STA 4203 if a grade of “C–” or better has been earned in STA 3024. 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 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, multi-dimensional 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 (12) semester hours.

STA 4930r. Selected Topics in Statistics, Probability, or Operations Research (2–3). May be repeated to a maximum of twelve (12) 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 (6) semester hours.

Graduate Courses

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. Statistics for Epidemiology (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 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 5936. Graduate Orientation Seminar (1). (S/U grade only.)

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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

TAX ACCOUNTING:
see Accounting

SCHOOL OF TEACHER EDUCATION

Division of CHILDHOOD EDUCATION, READING, AND DISABILITY SERVICES

COLLEGE OF EDUCATION

Chair: Pamela S. Carol; **Professors:** English, Palmer, Wolfgang; **Associate Professors:** Al Otaiba, Burkhead, Clark, Ebener, Edwards, Hanline, Jones, Lake, Lewis, Menchetti, Piazza, Rice; **Assistant Professors:** Fiske, Hosp, Kim, Lundeen, McKenzie, Miller, Pittman, Wanzek; **Associates in Elementary Education:** Davis (Panama City), Rios (Panama City); **Assistants in Elementary Education:** Fetterly, Nicholas; **Visiting Assistant Professors:** Eubanks (Panama City), Fesmire (Panama City); **Professors Emeriti:** Flake, Green, G. Jones, Kirby, Lynch-Brown, Mills, Oseroff, Schluck, Scott, Scott-Simmons, Tait; **Courtesy Instructor:** L. Jones

There are six major areas of specialization in the Division of Childhood Education, Reading, and Disability Services: early childhood education, elementary education, reading and language arts education, special education, rehabilitation counseling services, and visual disabilities education.

The Division of Childhood Education, Reading, and Disability Services 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, rehabilitation counseling services, visual disabilities, and related areas. The Division 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 and rehabilitation 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
- translating research to practice through service to the profession at the local, state, and national levels

For a complete listing of all requirements concerning the continuation 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 Department of Childhood Education, Reading, and Disability Services:

- Early childhood education +
- Elementary education +
- Emotional disturbances/learning disabilities +
- Mental disabilities
- Reading education/language arts *
- Rehabilitation services
- Special education *
- Visual disabilities +

* 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 Preservice Teacher 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 Endorsement (Grades K-6, DOE Certification Area 444)
- Exceptional Student Education w/ESOL Endorsement (Combined Program, Grades K-12, DOE Certification Area 430)
- Pre-K/Primary Education w/ESOL Endorsement (Early Childhood, Age 3-Grade 3, DOE Certification Area 387)

- Visually Impaired Education (Visual Disabilities, Grades K-12, DOE Certification Area 333)

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, early childhood education, visual disabilities education, and exceptional student education satisfy this requirement by earning a grade of "C-" or higher in EME 2040. Undergraduate majors in mental disabilities and rehabilitation services satisfy this requirement by earning a grade of "C-" or higher in CGS 2060, CGS 2064 or EME 2040.

State of Florida Common Program Prerequisites

The State of Florida has identified common course 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.**

The following lists the common 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)
 - Mental Disabilities
 - Visual Disabilities Education
1. EDF X005
 2. EDG X701
 3. EME X040

In addition to EDG X701, the student must take six (6) 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 AA or baccalaureate degree. Foreign language courses may be used to meet this requirement. Contact the department and/or adviser for details.

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*.

Limited Enrollment Programs

Please note that admission to limited enrollment programs requires submission of the specific program application, due on or before March 15th of the Spring semester preceding Fall 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.

EARLY CHILDHOOD EDUCATION

Professor: Wolfgang; **Associate Professor:** Jones; **Assistant Professor:** Lake

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. Course work and extensive field experiences prepare graduates with specializations appropriate for educating the young child and designing curriculum for young children.

Undergraduate Curriculum in Early Childhood Education Leading to a Baccalaureate Degree and 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; EEX 4212; LAE 3414, 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 cumula-

tive 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 at 205 Stone Building or call (850) 644-4880.

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 term.**

All students are urged to seek advising from the lower division advisers in the Office of Academic Services, 108 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 (9) 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 15th for the Fall semester** (an interview may be required following submission of an application). Applicants are selected on the basis of the following criteria: GPA, SAT/ACT and CLAST or General Knowledge Test (exemptions not accepted), relevant experience, and professional promise.

1. Application form (available in 205 Stone Building or on the Web at <http://www.coe.fsu.edu>)
2. Transcript of previous coursework and documentation of test scores (SAT/ACT, CLAST or General Knowledge Test) and GPA
3. Three (3) reference forms (available from the department):
 - a. One (1) from someone who taught you in either junior high school, high school, or college
 - b. One (1) from someone who has observed you interacting with children
 - c. One (1) of your choice
4. Essay: your response to **Teaching in a Changing World** (1 to 2 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 (4). Prerequisites: Block I and ECE/UG program. Corequisites: Block II courses. This course examines the role and value of the arts for the child. It explores developmental trends, appropriate practices, methods, media, and curricula.

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 (12) semester hours.

EEC 4907r. Observation and Participation in Early Childhood Education (2–3). (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 twice to a maximum of seven (7) 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 (9) semester hours. May be repeated during the same semester.

EEC 4943. Student Teaching in Early Childhood Education (6–10). (S/U grade only.)

LAE 3414. Literature in the Elementary School (3). Corequisite: Block 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 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 EDG 2701. 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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

ELEMENTARY EDUCATION

Associate Professors: Clark, Rice; **Assistant Professor:** Lundeen; **Service Professor:** Hansen; **Associates in Elementary Education:** Davis (Panama City), Rios (Panama City); **Assistants in Elementary Education:** Eubanks (Panama City), Fesmire (Panama City); Professor Emerita: Flake

An undergraduate curriculum is offered leading to a Bachelor of Science (BS) degree in elementary education with English for Speakers of Other Languages (ESOL) endorsement preparing students to teach grades K through 6. The program is structured as four groups of courses (fall and spring) and one summer class. 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 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 the Fall semester ONLY; students should work closely with an adviser to plan completion of basic requirements around the Fall 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 course 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 (9) 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 **any time prior to but not later than March 15 of the Spring term preceding Fall admission**. Applicants are selected on the basis of the following criteria: GPA, SAT/ACT and CLAST or General Knowledge (exemptions not accepted), 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 CLAST or the FTCE GK exam. (If the CLAST/GK results have not yet been received, a statement of when the examination was taken should be provided)

Required Major Courses

Each student preparing to teach elementary education must take ARE 3313C; EDE 4907, 4943; EDF 4210; EDG 4410; EEX 4070, 4212; LAE 3414, 4314; MAE 4310, 4326; RED 4310, 4510; SCE 4310; SSE 4113; TSL 4080, 4081. These courses are restricted to 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.

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. The School will provide a list of approved counties for student-teaching placement. The School reserves the right to restrict elementary education students with a GPA of less than 3.25 to the local area.

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 on all adults who work in schools. Because all courses in elementary education have a required school 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.

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

TSL—Teaching English as a Second Language

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 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

EDE 4907r. Directed Field Experiences (1–8). (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 (8) semester hours to be taken in the following manner: at least one (1) hour in Semester I, one (1) hour in Semester II, and two (2) 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 (12) semester hours of honors work may be taken. Six (6) thesis hours are required. Seminars are optional.

EDG 4410. Classroom Management, Legal Issues, Professional Ethics, and School Safety (4). Prerequisites: Semesters I, II, and III; EDF 4430; and LAE 3414. Corequisite: EDE 4943, FTCE General Knowledge Exam, and FTCE K-6 Subject Area Exam. This course is designed to develop specific concepts and skills in the areas of classroom management (discipline) and professional knowledge required for beginning teachers.

EME 4311. Technology and Learning for Elementary and Middle School (3). Prerequisite: EME 2040 or instructor permission. Designed to help preprofessional teachers use technology for the development of higher learning skills. Included in the technology content will be animated graphics, scanned pictures, and linked files. Students will be working with students in schools applying concepts from the class. Students will acquire technology skills that will 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 will be included.

RED 4310. Early Literacy Learning (3). Prerequisites: EDF 1005 and EDG 2701. 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.

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

- 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 (4).
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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

READING AND LANGUAGE ARTS

Professor: Palmer; **Associate Professors:** Piazza, Connor; **Assistant Professors:** Kim, Pittman; **Professor Emerita:** Scott-Simmons

Reading education and language arts is a graduate program offering degrees at the Master's, Specialist, and Doctoral levels. 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

Undergraduate Courses

- 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 (12) semester hours.

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.)

SPECIAL EDUCATION

Associate Professors: Al Otaiba, Edwards, Hanline, Lewis, Menchetti;
Assistant Professor: McKenzie; **Visiting Assistant:** Nicholas; **Assistant in:** Bischof; **Courtesy Instructor:** L. Jones

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 Preservice Teacher Preparation Programs.

Exceptional Student Education (ED/LD Combined Program)

This degree major is designed to prepare individuals for careers as public school teachers of students with learning disabilities. The program leads to certification in exceptional student education for grades K through 12.

This degree major is a three-year program that culminates in the awarding of the Bachelor of Science (BS) followed by the Master of Science (MS) degree. Students must maintain a 3.0 grade point average (GPA) during the junior/senior years of study or earn a 1000 on the general aptitude section of the Graduate Record Examinations (GRE) in order to be admitted to the required graduate component of the three-year, combined program.

Mental Disabilities

This degree major is designed to prepare persons for careers working with children and youth with mental disabilities. The teacher is equipped to teach all levels of severity at the elementary and secondary level in public schools, private schools, or in residential facilities. This is not a teacher certification program.

Visual Disabilities Education

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 and orientation and mobility specialists. Following graduation, students are employed in a variety of settings that offer services to children and youth with visual impairments.

Early Childhood Special Education Certificate Program

The Early Childhood Special Education (ECSE) Certificate Program is appropriate for teachers, physical/occupational specialists, speech and language

therapists, nurses, social workers, and other professionals involved in delivering early intervention/education services to young children (birth to five years) and their families. The ECSE Certificate is not intended as a diploma or degree that reflects the requirements of a particular governmental, private, or organizational agency. However, the award of the Certificate is noted on the transcripts of graduates, and individuals earning the ECSE Certificate receive a written certificate.

The ECSE Certificate may be earned by taking eighteen (18) semester hours of coursework related to early childhood special education. Individuals may take the courses for the certificate as a student in the Master's degree in the education of students with exceptionalities (ESE) program, a student in a Bachelor's or Master's degree program in an appropriate discipline, or as an FSU special student. The Pre-Kindergarten Disability Endorsement and/or the Infant/Toddler Developmental Specialist Certificate may be earned in conjunction with the ECSE Certificate. Students must be accepted to Florida State University before being eligible for acceptance into the certificate program. For more information about early childhood special education at Florida State University, please contact Dr. Mary Frances Hanline, *Florida State University, 205 Stone Building, Tallahassee, Florida 32306-4459, (850) 644-4880, Fax (850) 644-8715, mhanline@fsu.edu.*

Early Childhood and Family Intervention Certificate Program

The Early Childhood and Family Intervention Graduate Certificate will allow the traditional and non-traditional student to earn credit at the Master's level in order to better promote resilience of infants and young children in Florida who are vulnerable, disabled, or at-risk, and their families. This program will foster a unique interdisciplinary perspective, linking the social sciences, education, and the healing arts, and promoting the integration of science, policy, and practice in early childhood and family intervention. Certificate holders will be prepared to critically evaluate evidence-based research for the derivation of best practices; to assist families in the development of capacity, competence, and confidence to meet their child's developmental needs through coordinated team-based service in natural settings; and to contribute to public policy development.

Application procedures and deadlines for admission to Florida State University as specified in the *Graduate Bulletin* will be followed for students requesting to participate in the certificate program as a special student, a Master's degree-seeking student, or an advanced undergraduate student seeking admission as a special student. In addition, a goal statement and an early childhood and family intervention certificate program application must be submitted online at <http://fsu.edu/earlyintervention> or by mail to: *Dr. Mary Frances Hanline, Coordinator, Early Childhood and Family Intervention Graduate Certificate Program Childhood Education, c/o Reading and Disability Services, 205 Stone Building, Florida State University, Tallahassee, Florida 32306-4459.*

Applicants will be screened by a committee of certificate program faculty representing at least three different disciplines.

Degree-seeking students with senior status, master's degree-seeking students, and students enrolling as a special student will be expected to have maintained a 3.0 or higher grade point average in their upper division coursework at an accredited college or university. Bachelor's degree studies may include majors in early childhood/special education, early childhood education, child and family development, family life specialist, communications sciences, psychology, social work, or other degree programs with comparable requirements for the discipline.

Eighteen (18) semester hours comprise this certificate. Courses must be completed with an earned grade of at least a "B". Students will be expected to complete the certificate program within a period of five (5) academic calendar years from date of acceptance.

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 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 205 Stone or on the web at www.coe.fsu.edu. Deadline for Fall consideration is March 15 of the preceding Spring term.
2. A 2.5 GPA minimum during the freshman and sophomore years is required.
3. Previous experience with individuals with disabilities (for example, volunteer work) is helpful.

4. Students must interview with program faculty.
5. 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.

REHABILITATION SERVICES

Professor: English; **Associate Professors:** Burkhead, Ebener; **Assistant Professor:** Miller

The purpose of the baccalaureate program in rehabilitation services is to provide students with professional knowledge and competencies required of entry-level, direct-service providers in a wide variety of public and private service agencies. Among the kinds of occupations available for graduates are mental health technicians, case managers, psychological aides, behavior specialists, job coaches and advisers, disability-focused assistants, gerontological assistants, drug and alcohol treatment specialists, occupational specialists, and correctional specialists.

Admission

New students are admitted in the Fall, Spring, and Summer semesters. Students must complete an interview with the program coordinator and must meet the University requirements for initial admission and/or matriculation from the lower division.

Degree Requirements

The baccalaureate degree in rehabilitation services requires students to complete sixty (60) semester hours at the upper-division level. This curriculum includes nine courses (forty [40] semester hours) in rehabilitation services and seven required electives (twenty [20] semester hours). Rehabilitation core courses include: MHS 4001; RCS 4060, 4081, 4109, 4240, 4300, 4820, 4840; and SDS 4481. The required elective courses consist of completing a minimum of one course in seven knowledge domains that are relevant to rehabilitation. The seven domains include: assessment; human growth and development; abnormal behavior; family systems; self-management for wellness; social systems and disciplines; and organizational life. A complete and current listing of the menu of choices for satisfying the completion of required elective courses is available through the undergraduate student adviser. A grade of "C" or better is required for satisfactory completion of all program course work.

Minor

A minor is available in rehabilitation services. Courses required for the minor are: RCS 4081, 4109, 4240, and 4300.

Definition of Prefixes

EBD—Education: Emotional/Behavioral Disorders
EDG—Education: General
EEX—Education: Exceptional Child-Core Competencies
EGI—Education: Gifted
ELD—Education: Specific Learning Disabilities
EMR—Education: Mental Retardation
EVI—Education: Visually Impaired-Blind
IDS—Interdisciplinary Studies
MHS—Mental Health Services
RCS—Rehabilitation Counseling 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.

EDG 2701. Teaching Diverse Populations (3). Students will 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 will participate in a field-based experience.

EEX 3601. Applied Behavior Analysis for Special Educators (3). Corequisite: EEX 3820. 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 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). Corequisite: EEX 4847. Provides students with the opportunity to demonstrate effective use of diagnostic skills. For majors only.

EEX 4230. Individualized Instruction for Exceptional Students (3). Corequisite: EEX 4941. Knowledge and performance in implementing individualized instructional practices with exceptional students. 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 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 will increase 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.) Student teachers will 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 (12) 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). Topics will vary from term to term. May be repeated to a maximum of nine (9) 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 (9) thesis hours with instructor approval.

EGI 4011. Introduction to Gifted and Talented Students (3). Nature and needs of these exceptional children and youth including the special groups of underachieving, culturally diverse, women, and handicapped gifted.

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 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 will 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 4312. 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 4121. 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 4211. Corequisite: EVI 4121. The purpose of this course is to provide participants with the knowledge and skills necessary to successfully integrate visually impaired students into the general education environment. Students learn to adapt classroom materials, collaborate with general education personnel, and develop direct teaching strategies that enhance the visually impaired learners' optimum functioning.

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 4330. Teaching Students with Visual Impairments and Other Disabilities (3). Introduces the techniques and strategies necessary for meeting the needs of students with visual impairments who have additional disabling conditions. An emphasis will be 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 4001. The Human Services Profession (3). An exploration of the nature of human service work. Analyzes past, present, and future issues in human service work. Human service professions and systems approaches. Personal, career, and family development. The delivery of human services. Program development and evaluation, with a special emphasis upon the rehabilitation process.

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 (6) semester hours.

MHS 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

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 3061. Survey of Life Span Development: Preventive and Interventive Strategies for People with Normal or Abnormal Development, Disabilities, or Disease (4). Course examines the human development, both normal and abnormal, of an individual across the entire age span, from psychomotor, cognitive, and affective perspectives. Special emphasis is placed on the adolescent, young, adulthood, middle adulthood, and late adulthood developmental stages of life.

RCS 4039. Helping Strategies and Case Management in Rehabilitation (3). 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). 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). An introduction to the structure of medicine in the United States. A survey of medical specialties and terminology; a survey of body systems, common malfunctions, therapeutic services, and restorative techniques.

RCS 4240. Psychosocial Aspects of Rehabilitation (3). An overview of the psychological and social factors related to the adjustment or adaptation to a disability and to the provision of rehabilitation services. The relationship between disability and culture will also be explored.

RCS 4300. Vocational Aspects of Rehabilitation (3). Theories, methods, and practices of career development, utilizing occupational information and labor market trends, 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.) Prerequisite: Adviser permission. Full or half semester internship in a human services setting. May be repeated to a maximum of fifteen (15) semester hours.

RCS 4840. Field Experience in Rehabilitation (3). (S/U grade only.) Prerequisite: Adviser permission. Supervised clinical practice in a rehabilitation agency or community service organization. Duties are in activities like interviewing, assessment, case management, service coordination, teaching and coaching of life skills.

RCS 4930r. Special Topics in Rehabilitation Counseling (1–4). Special topics in rehabilitation counseling are studied in depth. May be repeated for a maximum of twelve (12) 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 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 6342. Seminar: Readings in Education, Training, and Treatment of Exceptional Individuals (3).
EEX 6426. Research and Practices in Special Education Personnel Development (3).
EEX 6931r. Seminar in Early Childhood/Special Education (3).
EEX 6935r. Doctoral Seminar in Special Topics (1–3). (S/U grade only.)
EGI 5936. Seminar for Teachers of the Gifted (3).
EGI 5940. Mentorship Practicum for the Gifted (5).
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 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 5325. Technology for Individuals with Visual Impairment (3).
EVI 5332. Social and Vocational Implications of Recreation and Leisure for Visually Impaired (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 Deafblind (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).
MHS 5060. Psychosocial and Multicultural Aspects of Counseling (3).
MHS 5860r. Supervised Teaching (1–4). (S/U grade only.)
MHS 5915r. Supervised Research (1–4). (S/U grade only.)
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 5620. Administration and Supervision in Rehabilitation (3).
RCS 5845r. Leadership Practicum in Rehabilitation (3–6).
RCS 5930r. Special Topics in Rehabilitation (2).
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).

For listings relating to graduate course work for thesis, dissertation, and Master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

Division of MIDDLE AND SECONDARY EDUCATION

COLLEGE OF EDUCATION

The Division of Middle and Secondary Education consists of four program areas: English education, mathematics education, science education, and social science education. Each of these program areas offers undergraduate degrees to prepare middle and high school teachers in specific disciplines. Successful

completion of a degree qualifies candidates for certification to teach in middle and high schools in Florida. Please refer to the "Teacher Preparation General Education Requirements" section of the "College of Education" chapter in this *General Bulletin* for additional details.

The following majors and teacher certification programs are offered by the Division of Middle and Secondary Education:

- English Education (middle and secondary English)
- Mathematics Education (middle and secondary mathematics)
- Middle Grade Mathematics Education
- Science Education (Concentrations in biology, chemistry, earth-space science, middle grades science, and physics)
- Social Science Education

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 Preservice Teacher 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:

- Biology Science Education (Grades 6-12, DOE Certification Area 288)
- Chemistry Science Education (Grades 6-12, DOE Certification Area 289)
- Earth/Space Science Education (Grades 6-12, DOE Certification Area 302)
- English Education w/ESOL Endorsement (Grades 6-12, DOE Certification Area 398)
- Middle Grades General Science Education (Grades 5-9, DOE Certification Area 307)
- Middle Grades Mathematics Education (Grades 5-9, DOE Certification Area 306)
- Physics Science Education (Grades 6-12, DOE Certification Area 291)
- Secondary Mathematics Education (Grades 6-12, DOE Certification Area 287)
- Social Science/Middle Grades Social Science Education (Grades 6-12/5-9, DOE Certification Area 377)

FSU-Teach Program in Science and/or Mathematics

Jointly developed by the College of Arts & Sciences and the College of Education, the FSU-Teach program will offer a fully-integrated undergraduate curriculum with concentration areas in middle and secondary science and/or mathematics education. See the press release at www.coe.fsu.edu/fsuteach.html or the FSU-Teach website at <http://fsu-teach.fsu.edu> for more information on the development of the new science teaching major, as well as information regarding planned changes to existing undergraduate programs in science and mathematics education. Supported by generous grants from the National Math and Science Initiative, the Helios Education Foundation, and matching funds from the Florida Legislature, the development and launch of FSU-Teach is coordinated by Dr. Ellen Granger in the College of Arts & Sciences and Dr. Sherry Southerland of the College of Education; contact Dr. Granger at granger@bio.fsu.edu or Dr. Southerland at southerl@coe.fsu.edu for further details.

Progression to Upper-Division Programs

Effective at publication of this General Bulletin, all first-time-in-college (FTIC) freshmen with a University matriculation date of Summer 2008 or later may make application to Middle & Secondary Education programs ONLY for Fall consideration. Applicants should submit a completed program application to the School of Teacher Education, *Stone Building*, no later than March 15 of the Spring term preceding Fall entry. Students affected by this policy are advised to work closely with an adviser to plan completion of Liberal Studies requirements and program prerequisites on a timetable congruent with the Fall-only admissions cycle.

All applicants must have fulfilled the common course 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 Teacher Education Programs* under the "College of Education" header 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 areas 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 course 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.**

The following lists the common prerequisites or their substitutions necessary for admission into these upper-division degree programs:

English Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. SPC X600
 - b. One three (3) semester hour literature course
 - c. Three (3) semester hours of electives in English

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Health Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Personal health: three (3) semester hours
 - b. Three (3) semester hours of anatomy and physiology plus lab
 - c. Introduction to nutrition: three (3) semester hours
 - d. Six (6) semester hours of electives in health, natural and social sciences

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Biology Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Eight (8) semester hours of biology with lab
 - b. Eight (8) semester hours of chemistry with lab or physics with lab
 - c. Six (6) semester hours of electives in science

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Chemistry Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Eight (8) semester hours of chemistry with lab
 - b. Eight (8) semester hours of biology with lab or physics with lab
 - c. Six (6) semester hours of electives in science

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Earth/Space Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Eight (8) semester hours of biology with lab or chemistry with lab or physics with lab
 - b. Four (4) semester hours of geology with lab
 - c. Three (3) semester hours of oceanography

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Physics Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Eight (8) semester hours of physics with lab
 - b. Eight (8) semester hours of biology with lab or chemistry with lab
 - c. Six (6) semester hours of electives in science

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Middle Grades Science Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Eight (8) semester hours of biology with lab or chemistry with lab or physics with lab
 - b. Four (4) semester hours of geology with lab
 - c. Three (3) semester hours of oceanography

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Secondary Mathematics Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Four (4) semester hours of calculus and analytic geometry I
 - b. Four (4) semester hours of calculus and analytic geometry II
 - c. Four (4) semester hours of electives in mathematics
 - d. Three (3) semester hours of computer programming language (applicable to microcomputer)

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Middle School Mathematics Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Four (4) semester hours of calculus and analytic geometry

- b. Three (3) semester hours of computer programming language (applicable to microcomputer)
- c. Four (4) semester hours of biological science
- d. Four (4) semester hours of electives in mathematics or physical science

In addition to EDG X701, the student must take six (6) 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. Contact department and/or adviser for details.

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*.

Note: Courses specified in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Social Sciences Teacher Education

1. EDF X005
2. EDG X701
3. EME X040
4. Plus the following general program prerequisites:
 - a. Three (3) semester hours of American government
 - b. One course each from **four** of the following six areas for a total of twelve (12) semester hours: anthropology, cultural geography, economics, history, psychology, and sociology

Education courses may not be used to meet the communications, mathematics, natural and/or physical science, humanities, or social science requirements.

In addition to EDG X701, the student must take six (6) 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. Contact the department and/or adviser for details.

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*.

Note: Courses in category 4 may be applied to the corresponding requirements in liberal arts and sciences noted above.

Limited Enrollment Programs

No student, transfer or otherwise, may be admitted to limited access, College of Education Teacher Preparation Programs without first completing the general education and specific 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*.

Note: Courses listed above as "general program prerequisites" may be taken in fulfillment of the corresponding general education curriculum set by public postsecondary institutions in the State of Florida.

Programs

Note: The following courses are applicable to each of the major programs in middle and secondary education listed below.

Definition of Prefixes

EDG—Education: General

EDM—Education: Middle School

Undergraduate Courses

EDG 2701. Teaching Diverse Populations (3). Students will 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 will participate in a field-based experience.

EDM 3001. Introduction to Middle School (3). This course is designed to give the student an introduction to the modern middle school. It will include the philosophy and practice of the ideal middle school. The development of the middle school will be studied. This is a required course only for students in the junior high/middle school mathematics education program, but recommended as an elective for all of those in teacher preparation programs in the department.

ENGLISH EDUCATION

Professor: Carroll; **Associate Professor:** Wood; **Assistant Professor:** Steadman; **Professor Emeritus:** Simmons

Secondary English Education Undergraduate Program

The program in English education requires course work in English, English education, teaching English as a second language, and professional education. After meeting State of Florida Common Course Prerequisites, students in English education must complete a minimum of twenty-one (21) semester hours of English course work. 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, 4530 (or another approved reading course), 4860, 4941, 4942 (student teaching). Additional English education course work 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 3330 and 4331. 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 graduation, and must pass the General Knowledge portion prior to admission to the program.

Six (6) 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 course work 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) a minimum 2.75 grade point average (GPA) in English courses, including TSL courses; 2) a minimum 3.0 GPA in English education courses; 3) a minimum 2.75 GPA in professional education courses; 4) completion of all required English education courses with no lower than a "C+"; and 5) approval by the English education faculty.

Students who fail to meet any one of these criteria will not be allowed to student teach.

Definition of Prefixes

LAE—Language Arts and English Education

RED—Reading Education

Undergraduate Courses

Note: English education majors also must complete course work 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: A minimum of six (6) semester hours of literature at the 2000, 3000, and/or 4000 level. 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: A minimum of six (6) semester hours in composition. Attitudes, materials, and procedures for teaching written composition, language, and grammar; planning instruction and evaluating student writing.

LAE 4323. Teaching English in the Middle School (3). Prerequisite: A minimum of six (6) semester hours of literature and six (6) semester hours of composition. Review of contemporary approaches to instruction in young adult literature, language, and language development, oral and written composition, corrective and developmental reading, and study skills. All English components will be considered in the light of early adolescent learning characteristics.

LAE 4332. Applied English Linguistics for Teachers (3). Prerequisite: A minimum of six (6) semester hours in composition and six (6) semester hours in literature. A course 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 will be related to contemporary theories of learning.

LAE 4360. Classroom Management and Planning Instruction in Middle/High School English (3). Prerequisites: LAE 3331 and LAE 3333. To be taken during the final semester of course work, 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 4860. Using Technology in Teaching Language Arts (3). Prerequisite: EME 2040 or equivalent. 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 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

LAE 4930. Special Topics in Teaching English (1–3). 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 (6) semester hours.

LAE 4941. Methods and Observation/Participation in Middle/Secondary English (2). (S/U grade only.) Prerequisites: LAE 3331 and LAE 3333. To be taken during the final semester of course work, with LAE 4360. A series of observation and participation activities designed to provide the English education undergraduate with prestudent 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). 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.

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 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 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).

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

In addition to the traditional program, there are now five new tracks within the English education graduate program. They focus on the following areas: (1) English and teacher certification; (2) English and English as a second language; (3) English and reading; (4) teaching English at the community college; and (5) national board certification and English. All tracks include the core course requirements. Students should meet with their faculty adviser to determine the most appropriate track.

HEALTH EDUCATION

Professor: Foulk; Professor Emerita: Sutherland

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 (15) 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 (15) semester hours.

HSC 4906r. Directed Individual Study (1-3). May be repeated to a maximum of twelve (12) 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 (6) 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

Associate Professors: Aspinwall, Jakubowski, Shaw; **Assistant Professor:** K. Clark; **Professors Emeriti:** Denmark, Kalin, Nichols, Wheatley; **Distinguished Professor Emeritus:** Nichols

The secondary mathematics and middle grades mathematics teacher certification programs are fully approved by the Florida Department of Education and are accredited by the National Council for Accreditation of Teacher Education. All students are advised to see a program faculty member each semester as requirements are subject to revision based on changes in State Board of Education rules. For more information, please visit <http://www.fsu.edu/~mse/Programs/Math/index.html>.

Curriculum for Teachers of Secondary School Mathematics Leading to a Baccalaureate Degree and Florida Teacher Certification

A student preparing to teach secondary school mathematics must take at least twenty-one (21) semester hours of mathematics, statistics, and/or computers beyond the common degree prerequisites. Specific course requirements are provided by the department.

Each student preparing to teach secondary school mathematics must take EDF 4210 and 4430; MAE 4320, 4330, 4335, 4657, 4815, 4816, 4862, 4878, 4940, 4945; RED 4335; and TSL 4324. **A student must earn at least a "C" in the required courses.**

Curriculum for Teachers of Middle Grades Mathematics Leading to a Baccalaureate Degree and Florida Teacher Certification

A student preparing to teach middle grades mathematics must take at least sixteen (16) semester hours of mathematics, statistics, and/or computers beyond the common degree prerequisites. Specific course requirements are provided by the department.

Each student preparing to teach middle grades mathematics must take EDF 4210 and 4430; EDM 3001; MAE 4320, 4330, 4657, 4813, 4815, 4816, 4862, 4878, 4940, 4945; RED 4335; and TSL 4324. **A student must earn at least a “C” in the required courses.**

In order to satisfy state requirements in both programs, students take courses in assessment, reading in the content area, and human development and learning. Specific courses meeting these requirements are provided by the department.

In either program a student may not earn more than one “D” in a mathematics or statistics course. Some departments have specific policies with respect to grades. Please refer to these sections in this *General Bulletin*.

In addition to the College of Education standards for admission to Teacher Education, the following criteria must be met: 1) pass all parts of the CLAST (exceptions to the University policy are not acceptable) or pass the General Knowledge subject test of the Florida Teacher Certification Exam (FTCE); 2) complete calculus with analytic geometry I with a “C–” or better; 3) an overall 2.5 GPA; and 4) approval by the department. Admission to one of the programs is required prior to taking courses in the major.

Students must meet the following requirements in order to graduate from either program: 1) pass **all** parts of the FTCE (General Knowledge, Professional Knowledge, and Subject Area); 2) an overall 2.5 GPA; and 3) demonstrate at a satisfactory level all of the Florida Educator Accomplished Practices at the pre-professional level during student teaching (MAE 4945).

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 (12) 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 (6) 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 course work for thesis, dissertation, and master’s and doctoral examinations and defense, consult the *Graduate Bulletin*.

MULTILINGUAL/MULTICULTURAL EDUCATION

Assistant in: Galeano, R.; **Courtesy Professor:** Kennell; **Professors Emeriti:** Jenks, Platt

New admissions to this program have been suspended at all degree levels; 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 (12) 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 (8) 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 (12) semester hours.

FLE 3033. Introduction to Teaching Foreign Language (4). Historical development, sequence, and objectives of foreign language study; the nature of language and teaching for communication.

FLE 4905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

FLE 4937r. Honors Work (3). Prerequisite: FLE 4941. May be repeated to a maximum of six (6) 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 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 Literature (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.

TSL 4251. Applied Linguistics for Second Language Learning (3). Course is designed for preservice 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, EDG 2701, 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 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 (10) 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.)
- FLE 5945r.** Supervised Teaching (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.** Teaching of English as a Second/Foreign Language (4).
- TSL 5142.** Development of Curriculum and Materials in Foreign Languages (3).
- TSL 5250.** Applied Linguistics in Foreign 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.** Testing and Evaluation in Foreign Languages (3).
- TSL 5525.** Teaching of Culture: Multicultural/Multilingual Perspectives (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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

SCIENCE EDUCATION

Associate Professors: Davis, Gallard, Southerland; **Assistant Professor:** Sampson; **Professor Emeritus:** Dawson

Curriculum for Teachers of Science Leading to a Baccalaureate Degree and Florida Teacher Certification

The program in science education requires course work in the sciences, science education, and professional education. Forty-nine to fifty-three (49–53)

semester hours in science course work approved by the science education faculty must be taken by all students seeking the baccalaureate degree and initial teaching certification.

All students seeking certification must be admitted to Teacher Education and meet all of the requirements for pursuing a state-approved program as explained in the “College of Education” chapter of this *General Bulletin*. All students must complete requirements for admission to the upper division major in one of the areas of specialization. Areas of specialization are biology, chemistry, earth/space science, middle school science, and physics. In addition to the College of Education criteria for admission to teacher education, the following criteria must be met: (1) 2.5 GPA for science and mathematics courses; (2) 2.5 GPA overall; and, (3) approval by the School of Teacher Education and program. All students must pass the Florida Teacher Certification Exam (FTCE) prior to graduation. For more information, please visit <http://www.fsu.edu/~mse/Programs/Science/index.html>.

Required Core Courses

Professional Education Core

- EDF 1005** Introduction to Education (3)
- EDF 4210** Educational Psychology: Developing Learners (3)
- EDF 4430** Classroom Assessment (3)
- EDG 2701** Teaching Diverse Populations (3)
- EME 2040** Introduction to Educational Technology (3)
- RED 4335** Content Area Reading for Secondary School Teachers (3)
- SCE 4320** Introduction to Middle School Science Teaching (3)
- SCE 4362** Teaching and Learning Science (3)
- SCE 4363** Advanced Topics in High School Science Teaching and Learning (3)
- SCE 4944** Student Teaching in Science (10)
- SCE 4948** Classroom Management and Planning in Science Education (3)
- TSL 4324** ESOL Instruction in the Content Areas (3)

Student teaching involves a 15-week field experience during which students teach classes in their areas of specialization. Opportunities are provided to learn about schools and the manner in which science curricula are administered within schools. The practicum is a course that is conducted in conjunction with student teaching. Students meet to discuss their school-based experiences and to integrate theory and practice.

Specialty Areas (select one)

The student will work with a faculty adviser to design a program to ensure certification and competency in one of the following areas: biological science, chemistry, physics, middle school science, or earth/space science. Students must complete forty-nine to fifty-three (49–53) semester hours of science for majors in a specialty area. Twenty-two (22) of these semester hours may be satisfied when completing prerequisite and liberal studies requirements for admission to the upper division major.

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 (30 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 (12) 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 (8) times.

SCE 4939r. Seminar in Contemporary Science and Science Education (1). May be repeated to a maximum of four (4) semester hours. Two (2) 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, EDG 2701, 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 5225. Conceptual Learning in Middle School 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 5946r. Supervised Teaching (1–4). (S/U grade only.)
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 course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

SOCIAL SCIENCE EDUCATION

Assistant Professor: Martin; **Associate in:** Kirkwood-Tucker; **Assistant in:** Swanson; **Professor Emeritus:** Lunstrum

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 course 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 (48) semester hours as follows: six (6) semester hours of economics, six (6) semester hours of geography, three (3) semester hours of psychology or sociology, six (6) semester hours of American government, six (6) semester hours of American history, six (6) semester hours of world history, three (3) semester hours of public speaking at the 2000 level, one three (3) semester hour 3000/4000 course (must be a non-American, non-European history or social science course), and nine (9) 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 (48) semester hours may include courses in history and social science taken for liberal studies and those taken to meet the State of Florida common course prerequisites for admission to the upper division major.

Professional education requirements and prerequisites for student teaching are: EDF 4430, 4210, TSL 4324, SSE 4362, 4364, 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.

Note: Additional courses mandated by the Florida Department of Education concerning assessment and human development and learning will be required. Consult your academic adviser for details.

Students who have completed a Bachelor's degree in an appropriate field may also seek certification only in conjunction with course work 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 completion of the program 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.

Definition of Prefixes

EDF—Education: Foundations and Policy Studies

EDG—Education: General

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. 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. Emphasizes strategies in dealing with reading and writing problems.

SSE 4664. Inquiry in Teaching Social Studies (3). Corequisites: SSE 4362 and SSE 4364. Provides theory and practice in discovery, problem solving, and inquiry teaching of social science.

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 (3) semester hours.

SSE 4944. Student Teaching in Social Science Education (15). (S/U grade only.) Prerequisites: SSE 4362, SSE 4364, and SSE 4664. A 15-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 5892r. The Design of National Curricula in Developing Countries (3).
EDF 5920r. Colloquium: Bilingual/Bicultural Education (1).
EDF 5921r. Special Language and Culture Colloquium (2).
EDG 5206. Teachers and Curriculum Development (3).
EDG 6221. Curricular Theory (3).
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 course work for thesis, dissertation, and master’s and doctoral examinations and defense, consult the *Graduate Bulletin*.

Department of TEXTILES AND CONSUMER SCIENCES

COLLEGE OF HUMAN SCIENCES

Chair: Barbara Dyer; **Professors:** Cloud, Fiorito, Goldsmith, Moore; **Associate Professors:** Black, Grise, Heitmeyer, Sullivan; **Assistant Professors:** E. Kim, Lee; **Research Associate:** McLaughlin; **Assistant in Apparel Design:** Brown; **Assistant in Merchandising and Textiles:** Sanders; **Professors Emeriti:** Avery, Davis, Edgeworth, Kuehne, Warden

From the beginning of the product development process all the way through to the hands of the consumer, graduates from the Department of Textiles and Consumer Sciences (TCS) find exciting career opportunities with retailing, apparel, and textile firms from New York to L.A., all points in between, and around the world.

Students seeking a BS degree may select from three majors in TCS: merchandising, apparel design and technology, or textiles. These stimulating areas of study allow the student to combine an interest in business, art, science, and/or technology with direct, practical application to the design, development, distribution, merchandising, and management of fashion products and other consumer goods and services. Students prepare for executive management positions in industry or government through which they will address the needs of individuals, families, and communities for profitable retail businesses, fashionable and functional apparel/textile products, and other consumer goods.

The department boasts outstanding facilities and leading-edge technology for each major. The **Computer-Aided Design (CAD) Laboratory** includes 21 workstations, as well as high quality printers, digitizers, and scanners. The CAD Lab's multi-media computers are equipped with the latest in Gerber and Lectra computer-aided apparel design and visual merchandising software, Adobe Photoshop and Illustrator, word processing, spreadsheet, and presentation packages. The **Macy's Merchandising Laboratory** provides hands-on experience with merchandise presentation techniques and inventory management in a retail store facsimile. The latest color communication technology, modern chemical and physical testing facilities, and computerized analytical equipment are found in the **Textile Evaluation and Research Laboratory Complex**.

The **Historic Clothing and Textiles Collection and Exhibit Gallery** provide 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. Other textile pieces include the unique Carter Collection of pre-Columbian Peruvian textiles from the late 1400's. Gallery displays with various themes are available for viewing throughout the year, and students often participate in designing and mounting exhibits. These facilities and associated course work contribute to the department's participation in the University's multidisciplinary museum studies certificate program.

An excellent teaching and research faculty provides students with a challenging academic environment. Due to the faculty's strong commitment to the personal and professional development of students, students receive outstanding academic 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 expected in all majors and are required in the merchandising major. The highly popular TCS summer study abroad program provides unique opportunities for students in all majors to study global aspects of the field via course work and international travel experiences. Department-sponsored student organizations supplement classroom learning by providing opportunities to develop leadership skills in professional settings. For more information please visit <http://www.chs.fsu.edu/tcs>.

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 apparel design and technology, merchandising, and textiles 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 course prerequisites for these University degree programs. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken

either at a community college or in a university lower-division program. It is expected that these common course prerequisites will be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for these degree programs:

Apparel Design and Technology

1. One course in art history or appreciation (ARH prefix) or ART X003 (introduction to studio art) for three (3) semester hours
2. CTE X310
3. CTE X401
4. FAD X230
5. ECO X013 or ECO X023
6. PSY X012 or SYG X000 or SYG X010

Merchandising

1. ACG X021
2. CGS X060 or CGS X100
3. CTE X401
4. FAD X230
5. ECO X013
6. ECO X023
7. MAC X105 or MGF X106 or MGF X107
8. PSY X012 or SYG X000 or SYG X010

Textiles

1. Two courses in chemistry (CHM prefix) for six (6) semester hours or two courses in physics (PHY prefix) for six (6) semester hours
2. CTE X312
3. CTE X401
4. ECO X013
5. ECO X023
6. FAD X230
7. Two courses in mathematics (MAC prefix) for six (6) semester hours
8. PSY X012

Honors in the Major

The Department of Textiles and Consumer Sciences 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 their faculty adviser early in their junior year.

Entrance and Retention Requirements for Majors

Students are eligible to enter the Department of Textiles and Consumer Sciences 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 and CLAST 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 all majors in the department must achieve and maintain a GPA of 2.5. Students must be in good standing to take senior-level classes, to intern, and to graduate. A grade of "C-" or better must be achieved in all courses required for the majors, including foundation courses, college core requirements, and professional electives. See individual major descriptions for specific additional retention requirements.

Faculty advisers are designated for each major, and a full-time professional adviser is assigned to work with freshmen and sophomores. Students are expected to attend group advising sessions each semester and to meet with an adviser as needed. Advisers assist students with the proper sequencing of courses and provide other academic planning and career 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 each major in the department is comprised of four parts: liberal studies/University competencies, College of Human Sciences core requirements, major course requirements, and professional electives. 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.

College of Human Sciences Core

All students in the department are required to complete the College of Human Sciences core requirements consisting of the following six (6) semester hours: FAD 2230 (3), and one three (3) semester hour course in the college outside their major field of study to be selected from a list of approved courses available from the department, unless a specific course is designated. A grade of "C-" or better must be earned in each of these courses.

Apparel Design and Technology

Apparel design and technology is a highly competitive but rewarding field for the creative individual. A successful designer is able to predict consumer reaction and to work within the financial constraints of the production and manufacturing process to design apparel that meets consumer needs and retail-business profitability. The curriculum prepares students to apply the elements and principles of visual design to meet the physical, social, psychological, and aesthetic apparel needs of consumers. Graduates seek work with retail and apparel firms throughout the United States and abroad, including positions in major design centers such as Atlanta, Dallas, London, Los Angeles, Miami, Milan, New York, and Paris. Typical starting positions include assistant designer, stylist, assistant product development specialist, and product manager.

Design courses are sequenced such that it requires a minimum of seven regular (non-summer) semesters, beginning with a spring semester, to complete the major's courses. The first course in the apparel design sequence, CTE 1310, is a hybrid course for basic clothing construction skills. A grade of "B-" or better must be achieved in CTE 1310 to advance in sequenced design courses. Only one retake of this course will be allowed. Exemption test information for exempting CTE1310 may be obtained by calling the TCS office for details. Apparel design students are required to have a sewing machine for working on projects outside of class and must purchase a bobbin case for class work. A grade of "C-" or better must be achieved in all courses required for the major. No more than one (1) of the following courses may be repeated by an apparel design major: CTE 3334, 3341, 3734, 3742, 4725, 4726, and 4752. Foundation courses include a three (3) semester hour course with an ARH designation, or ART 2003; PSY 2012 or SYG 1000 or 2010; and ECO 2013 or 2023. Computer competency is met by taking CGS 2060 or 2100. 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. Students are expected to meet the curriculum requirements in place at the time they enter the major. An acceptable portfolio and a 2.5 GPA are also required to remain in good standing, to take senior-level courses, to intern, and to graduate.

Merchandising

Merchandising prepares students for entry-level retail management, buying, human resources, product development, and a variety of positions in retailing and merchandise-related organizations. The curriculum emphasizes retail merchandise management and analytical skills associated with retail buying, product development, distribution, and merchandising of all consumer goods, with an emphasis on soft lines. Students who complete a minor in communication also may focus their career development on fashion publishing. Internships within the retail industry and 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.

Completion with a grade of "C-" or better in MGF 1106 or 1107 or MAC 1105 is a prerequisite to all merchandising courses. STA 1013 or 2023 is strongly recommended as a second math course. This major is math intensive. 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. No more than one retake is allowed for 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. Students are expected to meet the curriculum requirements in place at the time they enter the major. A GPA of 2.5 is required to remain in good standing, to take senior-level courses, and to graduate.

Internship

Merchandising students are required to complete a coordinated block of internship courses followed by an internship that may take place during the Summer, Fall or Spring semester. The internship provides the student with a chance to apply classroom learning to work place experiences.

Three merchandising block courses (CTE 4811, 4826, 4890) and an intern preparation course (CTE 4892) 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 Textiles and Consumer Sciences assists students in identifying potential internship positions and, through a process explained during merchandising course work, for approving the placement of students. The intern may be paid as an employee by the company or may not receive compensation, depending on the policy of the host company. During the internship, the student is responsible for any 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 TCS intern supervisor. An unsatisfactory rating by either the company or the TCS intern supervisor will result in a failing grade in CTE 4882.

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 are generally not assigned to their home cities or to the immediate or general vicinity of the campus. Candidates are advised that the Department of Textiles and Consumer Sciences exercises the final responsibility for approving the internship semester and the company in which the student will intern. 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 Textiles and Consumer Sciences and the University of any further responsibility to assist in procuring an internship.

An internship candidate 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 Textiles and Consumer Sciences will take all reasonable steps to place a student in an internship but will not be liable if a student cannot be placed.

Application for the internship should be made by the student as soon as eligibility requirements (see below) are met. There is a limit as to the number of students who can intern in any given semester, so early application is advised. Application forms must be requested in person, and an eligibility verification form must be signed by the student at the time of request. The following eligibility requirements must be met in order to submit an intern application form and be assigned to a particular semester for the internship.

1. Students must have a minimum of fifty-five (55) semester hours earned and must have completed the following classes with a "C-" or better before submitting a merchandising intern application form: CTE 1401, 1401L, 3801, 3806; MAC 1105 or MGF 1106 or 1107; ACG 2021; CGS 2060 or 2100; and ECO 2013 or 2023.
2. Students must have an adviser-approved, completed planning sheet in the departmental advising file showing that it is reasonable for the student to complete the internship in the semester for which he or she is applying.
3. Students must have an overall FSU GPA of 2.5 or higher at the time of initial submission of the intern application and must continue to increase the FSU GPA toward the required intern block FSU GPA (2.75) in order to maintain an active application. Any student who is placed on academic probation or whose overall FSU GPA drops below 2.5 will lose his or her application status and must reapply.

Early in the semester immediately prior to the internship (not a summer term), the student must submit an intern clearance form and a departmental graduation check showing that the s/he has met or will meet the prerequisites for registering for the intern block. For more information regarding internship requirements, please contact the Department of Textiles and Consumer Sciences.

Textiles

The textiles major prepares students for a wide variety of challenging careers in textile product development, quality assurance, product testing, fabric sourcing, and other positions. Students gain an understanding of the many factors affecting textile product performance, consumer demand, and use of tex-

tile products in consumer goods. Product development concepts and principles are applied to a wide range of soft line products with particular emphasis on apparel and interior textiles.

A grade of “C–” or better must be achieved in all courses required for the major. Foundation courses include PSY 2012 or SYG 1000 or 2010 and ECO 2013 or 2023. Computer competency may be met by CGS 2060 or 2100. Oral competency may be met through any course approved as such by the University. A grade of “C–” or better must be achieved in foundation and computer competency courses prior to entering the upper division. Detailed curriculum guide sheets and a sequencing plan are available through the department office and on the department Web site. Students are expected to meet the curriculum requirements in place at the time they enter the major. A GPA of 2.5 is required to remain in good standing, to take senior-level courses, and to graduate.

Requirements for Minors and Double Majors

Due to the heavy demand for courses by TCS majors, minors in TCS are no longer available. Students who have already begun a minor with the approval of the department will be allowed to complete the minor on a space available basis if their overall FSU GPA is 2.5 or higher.

Students desiring to complete two or more majors in the department must have an overall FSU GPA of 3.3 or better and complete all requirements in each major except unspecified professional electives.

Definition of Prefixes

COA—Home Economics: Consumer Affairs

CTE—Home Economics: Clothing, Textiles and Merchandising

HEE—Home Economics Education

HHD—Housing and Home Design

HME—Home Economics: Home Management and Equipment

HOE—Home Economics: General

Undergraduate Courses

COA 3151. Consumer Competence in a Complex Society (3). Improving levels of living through increased consumer competence. The consumer movement and current issues.

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 4905r. Directed Individual Study in Family Economics and Home Management (1–3). May be repeated to a maximum of six (6) semester hours.

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 (12) semester hours as topics vary.

COA 4944r. Consumer Education Practicum (1–6). A working/learning experience in consumer affairs. May be repeated to a maximum of six (6) semester hours.

CTE 1310. Basic Apparel Construction (3). Basic methods of apparel construction using hand and machine sewing techniques. Open to apparel design and family and consumer sciences education majors only. (Spring semester only.)

CTE 1401. Introductory Textile Science (3). Introduction to physical and chemical aspects of fibers, yarns, fabrics, finishes, and textiles coloration. Interrelationships between textile characteristics, properties, and end-use requirements.

CTE 1401L. Apparel Textiles Laboratory (1). Prerequisite and Corequisite: CTE 1401. Laboratory identification and analysis of apparel textiles for end-use performance. Hands-on experience in the identification and analysis of fibers, yarns, fabrics, finishes, and textile coloration.

CTE 3201. Visual Design in Clothing and Textiles (3). Introduction to design as process and product; clothing and textiles applications of functional, structural, and decorative design; optical illusions; art elements and principles; design analysis.

CTE 3334. Intermediate Apparel Construction (3). Prerequisite: A grade of “B–” or better in CTE 1310. Corequisites: CTE 3742, CTE 1401, CTE 1401L, and CTE 3201. Intermediate principles and techniques of apparel construction using original student design and pattern work. Open to apparel design majors only. (Fall semester only.)

CTE 3341. Advanced Clothing Construction (3). Prerequisites: A grade of “C–” or better in CTE 1401, CTE 1401L, CTE 3201, CTE 3334, CTE 3742. Traditional and contemporary techniques for the construction and design of tailored and nontailored garments. Open to apparel design majors only. (Spring semester only.)

CTE 3431r. Textile Product Development (3–6). Prerequisite: CTE 1401. Topics in textile product development. Focus on stages of product development for specific end-use areas. May be repeated to a maximum of six (6) semester hours when topics vary.

CTE 3515. History of Clothing and Textiles I (3). Clothing and textiles as a reflection of the arts, customs, economy, and religion of the times from the beginning of recorded history to the 15th century, through those areas of the world having major influence on the development of Western dress.

CTE 3516. History of Clothing and Textiles II (3). Clothing and textiles as a reflection of the arts, customs, religion, technological development, and economy of the times covering Western dress from the 15th century to the present.

CTE 3534. Twentieth Century Design (3). Prerequisites: A grade of “C–” or better in CTE 3515 or CTE 3516 and CTE 3201. Study of design trends in the twentieth century with an emphasis on fashion and textiles. Design practices and styles as a reflection of art, customs, popular culture, technological development, and economy of the twentieth century. Study of the relationship between design in fashion and design in architecture, furniture, interior, and other decorative arts.

CTE 3602. Sociopsychological Aspects of Clothing (3). Introduction to the behavioral aspects of clothing. Behavioral theories that govern the use of clothing in various cultural contexts.

CTE 3734. Fashion Design and Illustration (3). Prerequisites: A grade of “C–” or better in CTE 1401, CTE 1401L, CTE 3201, CTE 3334, and CTE 3742. Developing skills and techniques to visually present creative apparel design. Open to apparel design majors only. (Spring semester only.)

CTE 3742. Flat Pattern Design (3). Prerequisite: A grade of “B–” or better in CTE 1310. Corequisite: CTE 3334 taken concurrently, CTE 1401, CTE 1401L, and CTE 3201. Theories of pattern design using flat pattern techniques to create fashionable apparel. Open to apparel design majors only. (Fall semester only.)

CTE 3763. Fundamentals of Apparel Evaluation (3). Prerequisites: CTE 1401, CTE 1401L, CTE 3201, and CTE 3806, all with a grade “C–” or better. Quality evaluation of apparel products in relation to performance and price.

CTE 3784. Apparel Production (3). Prerequisites: Junior standing, CTE 1401, CTE 1401L, and CTE 3341 or CTE 3763, all with a grade “C–” or better. Analysis of apparel production methods and related functions such as the role of the designer, forecasting fashion, and garment costing. Open to apparel design and textiles majors only. (Spring semester only.)

CTE 3801. Introduction to Merchandising Careers (2). This course provides students with an overview of careers in the fashion industry focusing on store management, buying, planning, apparel design, product development, vendor representatives, sales promotion, and various other key positions.

CTE 3806. Merchandising Principles (3). 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 3835. Merchandise Presentation and Inventory Analysis (3). Prerequisites: A grade of “C–” or better in MAC 1105 or MGF 1106 or MGF 1107, ACG 2021, CGS 2060 or CGS 2100, ECO 2013, ECO 2023, CTE 1401, CTE 1401L, CTE 3201, and CTE 3806. 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 3881. Pre-Professional Merchandising Field Experience (3). Prerequisites: CTE 1401, CTE 1401L, CTE 3201, CTE 3341 or CTE 3763, and CTE 3806, all with a grade of “C–” or better; a 2.5 GPA; intern coordinator permission. 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 4421r. Advanced Topics in Textiles (3–9). Prerequisites: A grade of “C–” or better in CTE 1401 and CTE 1401L. Topics of current technology and research in textile science. Specific topics will vary. May be repeated to a maximum of nine (9) semester hours when topics vary. (Spring semester only.)

CTE 4441C. Textile Performance and Analysis (3). Prerequisites: A grade of “C–” or better in CTE 1401 and CTE 1401L. Physio-chemical evaluation of textile materials for specific end uses and compliance with industry specifications, certified-performance programs, and government regulations. Emphasis on properties influencing color and color loss, moisture content, dewatering and refurbishment, weathering, and other physio-chemical properties that influence safety and functional performance. (Fall semester only.)

CTE 4442C. Textile Testing and Evaluation (3). Prerequisites: A grade of “C–” or better in CTE 1401 and CTE 1401L. Physical/mechanical evaluation of textile materials for specific end uses and compliance with industry specifications, certified-performance programs, and government regulations. Emphasis on strength, elasticity, flexibility, frictional wear, thermal transmission/resistance, and other physical/mechanical properties that influence durability and comfort. (Spring semester only.)

CTE 4460. Textiles in the Global Economy (3). Prerequisites: A grade of “C–” or better in CTE 1401, CTE 3806, and ECO 2013 or ECO 2023. Economic factors of production, distribution, and consumption of textile products. The impact of legislation, regulations, and international trade on the global textile and apparel market. (Spring/Summer semesters only.)

CTE 4463r. International Textile and Apparel Product Development. Prerequisites: CTE 1401 and CTE 1401L. Study of 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 (9) semester hours.

CTE 4517. Historic and Ethnic Textiles (3). Prerequisites: A grade of “C–” or better in CTE 1401, CTE 1401L, and CTE 3515 or CTE 3516. Selected western and non-western textile developments from ancient to modern times, and their relationships to technological, economic, political, social, religious, aesthetic, and cultural influences. Introduction to historic textiles conservation and research.

CTE 4518. Historic Clothing and Textiles in European Museums (3). Prerequisite: CTE 3515 or CTE 3516 or CTE 3534. A study of 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 (6) semester hours.

CTE 4707r. International Topics in Apparel Design (3). Prerequisite: CTE 3201. This course involves the study of design aspects and designers in major fashion centers around the world. The course requires students to travel to and live at international sites at their own expense. May be repeated to a maximum of nine (9) semester hours.

CTE 4712. Special Problems in Clothing Design (3). Prerequisites: A 2.5 GPA as well as a grade of “C–” or better in CTE 3341, CTE 3734, CTE 3784, CTE 4725, and CTE 4752. Functional and creative designs for individuals with special needs. Research and problem solving in a specialized area of apparel design. Open to apparel design majors only. (Spring semester only.)

CTE 4725r. Advanced Apparel Design (3–6). Prerequisites: A 2.5 GPA as well as a grade of “C–” or better in CTE 3341, CTE 3734, CTE 3784, CTE 4738, CTE 4752, and CTE 4773. Creative designing, including integration of various advanced design methods to create appealing, fashionable, and functional apparel. May be repeated to a maximum of six (6) semester hours. Open to apparel design majors only. (Fall semester only.)

CTE 4726. Apparel Design Collection (3). Prerequisites: A 2.5 GPA as well as a grade of “C–” or better in CTE 4725, CTE 4738, CTE 4752, and CTE 4773. This course focuses on creative designing, integrating various design methods to create an appealing and fashionable collection. (Spring semester only.)

CTE 4738. 2-D Presentation/Portfolio Development (3). Prerequisites: A 2.5 GPA as well as a grade of “C–” or better in CTE 3341 and CTE 3734. Development and presentation of original designs. Advanced illustration and presentation techniques, including hand and computer generated images. (Fall semester only.)

CTE 4752. Design Through Draping (3). Prerequisites: A 2.5 GPA as well as a grade of “C–” or better in CTE 3341, CTE 3734, and CTE 3742. The fundamentals of draping on the human form as a method of fashion design. Open to apparel design majors only. (Fall semester only.)

CTE 4773. Computer Applications in Apparel Design (3). Prerequisites: A 2.5 GPA as well as a grade of “C–” or better in CTE 3341, CTE 3734, and CTE 3752. This course examines the use of the computer as a design tool to conceptualize apparel design ideas and create original artwork, patterns, and markers. Open to apparel design majors only. (Spring semester only.)

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 (9) semester hours.

CTE 4811. Merchandising Outlets (3). Prerequisites: Senior standing, a 2.75 GPA, as well as a grade of “C–” or better in CTE 3806, CTE 3835, CTE 4822, and MAR 3023. Study of retail merchandising firms, emphasizing organizational structure and operational methods. This course is part of the intern block for merchandising majors only.

CTE 4822. Quantitative Merchandising Management (3). Prerequisites: A 2.75 GPA as well as grade of “C–” or better in ACG 2021, CGS 2060 or CGS 2100, CTE 3806, ECO 2013, ECO 2023, and MGF 1106 or MGF 1107 or MAC 1105. 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 2.75 GPA as well as a grade of “C–” or better in CTE 3341 or CTE 3763, CTE 3201, CTE 3602, CTE 3835, CTE 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 4832. Family-Owned Business: Issues and Trends (3). Discussion of issues resulting from the interaction between a family and the business that is owned by that family. Guest speakers include family business owners, bankers, accountants, lawyers, and government officials who deal with family businesses. (Summer only.)

CTE 4882. Professional Merchandising Internship (5). (S/U grade only.) Prerequisites: A 2.75 GPA as well as a grade of “C–” or better in CTE 3806, CTE 3835, CTE 4822, and MAR 3023. Corequisites: CTE 4811, CTE 4890, and CTE 4892. An internship in a retail setting giving the student an understanding of merchandising functions by positioning the student in retail management, buying, or product development. Both professional development and career preparation are emphasized. This course is part of the intern block for merchandising majors only.

CTE 4890. Executive Merchandising Management (3). Prerequisites: A 2.75 GPA as well as a grade of “C–” or better in CTE 3806, CTE 3835, CTE 4822, and MAR 3023. 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 2.75 GPA as well as a grade of “C–” or better in CTE 3806, CTE 3835, CTE 4822, and MAR 3023. Corequisites: CTE 4811 and CTE 4890. 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 2.5 GPA. May be repeated to a maximum of six (6) semester hours.

CTE 4937r. Special Topics (1–3). Analysis of current issues and practices in textiles and consumer sciences. May be repeated to a maximum of twelve (12) semester hours as topics vary.

CTE 4940. Apparel Design Internship (6). (S/U grade only.) Prerequisite: A 2.5 GPA as well as a grade of “C–” or better in CTE 4725. This course is an internship in the apparel industry, giving students a better understanding of apparel design functions by positioning students in apparel design and manufacturing. The internship will incorporate applied problems in apparel design and manufacturing, emphasizing student participation in business and industry.

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 (9) semester hours. A minimum of two semesters is required to complete an honors project.

HHD 2152. Multicultural Perspectives in Residential Environments (3). Survey of cultural factors affecting how humans develop and inhabit ancient and contemporary residential environments of the world, including lifestyle, social structure, economic development, political and legal systems, environmental/ecological settings, and technology.

HHD 3120. Principles of Housing (3). Social, economic, and policy aspects of residential environments including supply-demand mechanisms, constraints upon individuals and families, government programs, consumer protection, and housing finance. (Fall semester only.)

HHD 3130. Evaluation of Housing Design (3). Evaluation of residential environments including housing type; space planning; special needs; floor plan design; and energy conservation. Basic design principles for residential housing.

HHD 3230. Building Systems, Materials and Finishes (3). Prerequisites: A grade of “B–” or better in HHD 3120 as well as a grade of “C–” or better in CTE 1401, CTE 3201, and HHD 3130. Study of basic building systems, materials, and finishes of single and multi-family dwellings. Includes energy and resource efficiency measures, such as Energy Star Homes and Green Building Principles, particularly as they influence sustainability.

HHD 3820. Introduction to Housing Management (3). Prerequisite: A grade of “C–” or better in CGS 2060 or CGS 2100 and ECO 2013 or ECO 2023. Corequisite: HHD 3120. Basic principles in the management of residential housing with focus on the roles and responsibilities of the property manager for multi-family housing units. (Fall semester only.)

HHD 4135. Accessible Housing (3). Prerequisites: HHD 3120 and HHD 3130. An analysis of residential housing needs and constraints for the elderly and persons with disabilities including housing design features and barrier-free design, community services, housing options, and public policy.

HHD 4250. Housing Designs and Human Behavior (3). Prerequisites: HHD 3120 and HHD 3130. The interrelationship between the built environment and the behavior of man including physical, psychological, and social needs.

HHD 4326. Interior Products Specifications (3). Prerequisites: A grade of “B–” or better in HHD 3120, as well as a grade of “C–” or better in CTE 1401, CTE 3201, and HHD 3130. Factors used in the selecting, purchasing, specifying, and estimating of interior products such as furniture, carpet, paint, window treatments, cabinets, countertop, faucets and fixtures, and lighting. Study includes codes and standards that impact the sale and installation of products in the residential environment. An overview of wholesale and retail operations of interior products is presented by industry professionals.

HHD 4823. Marketing Issues in Property Management (3). Prerequisites: A 2.5 GPA as well as a grade of “B–” or better in HHD 3120 and HHD 3820. Analysis of marketing issues in residential science through lecture and applied format. Topics include: general marketing and consumer behavior terminology and theories, personal selling, leasing strategies, advertising in property management, fair housing, marketing strategies, development of marketing plans, and resident retention.

HHD 4829. Advanced Residential Property Management (3). Prerequisites: A 2.5 GPA as well as a grade of “B–” or better in HHD 3120 and HHD 3820. The course focuses on advanced principles of residential property management. Topics include: legal responsibilities, management issues, fair housing, risk management, marketing, property maintenance, and human resource management. Students will be eligible to sit for the CAM designation of the National Apartment Association upon completion of this class.

HHD 4905r. Directed Individual Study in Housing (1–6). Prerequisite: A 2.5 GPA. May be repeated to a maximum of six (6) semester hours.

HHD 4935. Leadership Development in Residential Science (3). Prerequisite: HHD 4829. This course acts as a survey of professional topics related to the residential sciences industry presented by various company representatives. Topics will vary and examples include: work place ethics, fair housing, report analysis, affordable housing, dealing with difficult people, leadership skills, school to work transitions, career development, and marketing/sales.

HHD 4940r. Internship in Housing (1–6). (S/U grade only.) Prerequisites: A 2.5 GPA; housing major status; a grade of “B–” or better in HHD 2152, HHD 3120, and HHD 3820; and a grade of “C–” or better in HHD 4823 and HHD 4829. Supervised practical field experiences in various areas of housing professions. May be repeated to a maximum of nine (9) semester hours.

HME 4221. Family Resource Management (3). Analysis of family decision making, goals, values, and resources.

HOE 3050. Developments and Trends in Home Economics (2). Course covers professionalism, career awareness, the job market, and current trends and developments in the human sciences.

HOE 3330. Human Sciences and Human Development: Global Perspectives (3). A study of the uniformity of basic human needs worldwide and the diverse ways of meeting them according to culture, climate, and resources using family as the core coordinating and delivery system.

Graduate Courses

COA 5906r. Directed Individual Study (1–3). (S/U grade only.)

- COA 5912r. Supervised Research (1–3). (S/U grade only.)
- COA 5942r. Supervised Teaching (1–3). (S/U grade only.)
- COA 5945r. Consumer Education Practicum (3–6).
- COA 6936r. Special Topics: Consumer Economics or Resource Management—topics vary (3–9).
- CTE 5426r. Recent Developments in Textiles (3).
- CTE 5535r. Advanced History of Costume (3).
- CTE 5536r. Selected Studies in Historic Textiles (3).
- CTE 5538. Historic Textiles and Clothing Management (1–4).
- CTE 5706. Creativity: Consumer Product Development (3–4).
- CTE 5709r. Apparel Design Concepts (2–4).
- CTE 5729r. Experimental Clothing Design (3–4).
- CTE 5754r. Advanced Draping (3).
- CTE 5768r. Creative Design: Exhibition and Competition (3).
- CTE 5769r. Functional Apparel Design (3–4).
- CTE 5776. Advanced Computer Application in Apparel Design (3–4).
- CTE 5785. Apparel Manufacturing Issues (3–4).
- CTE 5805. Current Trends in Fashion Merchandising (3).
- CTE 5807. Retail Merchandising Concepts (2–4).
- CTE 5815. Retail Technologies (3).
- CTE 5816. Merchandising Organization (3).
- CTE 5828. Merchandising Buying (3).
- CTE 5833. Family-Owned Businesses: Issues and Trends (3).
- CTE 5834. Merchandising Theory and Research (3).
- CTE 5884. Advanced Fashion Merchandising Practicum (4). (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/Fashion Merchandising (3).
- HEE 5347. International Home Economics (1–3).
- HHD 5251. Environment and Human Behavior (3).
- HHD 5906r. Directed Individual Study (1–3). (S/U grade only.)
- HHD 5915r. Supervised Research (1–3). (S/U grade only.)
- HHD 5942r. Supervised Teaching (1–3). (S/U grade only.)
- HHD 6936r. Special Topics in Housing: Topics Vary (1–6).
- HOE 6938r. Proseminar in Home Economics (1–2). (S/U grade only.)

For listings relating to graduate course work for thesis, dissertation, and master's and doctoral examinations and defense, consult the *Graduate Bulletin*.

School of THEATRE

COLLEGE OF VISUAL ARTS, THEATRE AND DANCE

Chair: C. Cameron Jackson; **Professors:** Chappell, Dahl, Jordan, Muscha, Redmond, Richey; **Associate Professors:** Coleman, Cooper, Gelabert, Hale, Hogan, Jackson, Lickson, Sandahl; **Assistant Professors:** Baldyga, Bollinger, Delorey, Dietz, Eginton, Ek, Maines, Malaev-Babel, Mayorga, Osborne, Ossowski, Rowell; **Instructor:** Patterson; **Burt Reynolds Eminent Scholar Chair in Theatre:** TBA; **Hoffman Eminent Scholar Chair in Theatre:** TBA; **Professors Emeritus:** 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 course work 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, scene design, costume design, lighting 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 ARE 4455, ART 4926C, CGS 2060, CGS 2064, CGS 2100, EME 2040, or MUS 2360.

State of Florida Common Program Prerequisites

The State of Florida has identified common course prerequisites for this University degree program. These prerequisites are lower-level courses that are required for preparation for the University major prior to a student receiving a baccalaureate degree from Florida State University. They may be taken either at a community college or in a university lower-division program. It is preferred that these common course prerequisites be completed in the freshman and sophomore years.

The following lists the common course prerequisites or approved substitutions necessary for this degree program:

1. THE X000 or any three (3) semester hour introductory course from X001–X035 at the 1 or 2 level
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. Nine (9) additional semester hours of any combination of THE, TPA, and TPP courses

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 (0) 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 (24) semester hours of course work 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 (39) semester hours of course work 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 (18) 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 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 likely that a successful course of study will take longer, since graduation depends as much on demonstrated proficiency as on credit hours.

Common Curriculum

Beyond the liberal studies requirements, BFA students are required to complete approximately seventy-four to eighty-six (74–86) 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 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, 4112, 4512, 4712, 4922; THE 3214, 4260, 4305, and three (3) semester hours from THE 4233, 4236, 4244, 4245, or 4433; and eight (8) 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, 4305, 4244, 4245; TPA2248; TPP 2110, 2111, 3510, 3511, 4112, 4257, 4512, 4712, 4923. A minimum of five (5) 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 2083r. Theatre Problems (3). Topics change per semester depending upon instructor. May be repeated to a maximum of six (6) semester hours.

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 (6) 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 4305. 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 4432. Latin American and Caribbean Theatre (3). Prerequisite: THE 3214. Examination of the cultural and artistic origins of Latin-American and Caribbean Theatre. Course includes reading and discussion of plays and articles concerning theatre of various regions.

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 precolonial 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 4305, 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 (12) 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 (6) semester hours.

THE 4917r. Honors Work (1–6). Open only to students in the honors program. Covers specialized honors course work culminating in an honors thesis. May be repeated to a maximum of nine (9) 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 (6) 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 (15) 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 (30) times.

TPA 2000. Creative Design for Theatre (3). Introduces the fundamental elements of design including spot, line, shape, and color while relating these elements to theatrical production design.

TPA 2200C. Introduction to Stage Craft (3). Studies and practice in the construction, handling, rigging, and shifting of scenery.

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 2201L. Introduction to Technical Theatre Laboratory (2). Students will gain direct experience in scene, costume, or lighting production.

TPA 2211. Principles of Technical Theatre (3). Prerequisites: TPA 2201 and TPA 2201L. Provide understanding of operation and management of scene shop as well as studying different and advanced techniques of theatrical production. New materials and adaptation of existing materials will be studied.

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 (1) hour each]. Prerequisite: Instructor permission. Practical experience in the nonacting 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 2201L. This introductory costume sewing class is intended to instruct students in the craft of sewing costumes for use on the stage. The class focuses on commonly accepted sewing practices used in costume shops throughout the country.

TPA 3293, 3294. Technical Theatre Laboratory [one (1) hour each]. Prerequisite: Instructor permission. Advanced practical experience in the nonacting 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 3353. Lighting and Sound Technology for the Theatre (3). Prerequisites: TPA 2201 and TPA 2201L. 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 will 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 4040. 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 4064. Scene Design Theory and Practice (3). Prerequisites: TPA 3208 and TPA 4060. This course demonstrates a clear process for developing a design idea and executing the final presentation.

TPA 4071. 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 is an advanced studio course that will develop 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 4217. Welding Techniques for Scenery Construction (3). A studio course that introduces the basic equipment, materials, and techniques required for the cutting and welding of metals used in scenery construction.

TPA 4234. Costume Crafts (3). Exploration of various costume craft techniques and materials, including clay, plaster, leather, thermoplastics, casting, and metals, and their relationship to theatrical apparel.

TPA 4238. Advanced Costume Construction (3). Prerequisite: TPA 3230. This course is an advanced study in costume construction techniques utilized in theatre costume shops.

TPA 4239. Costume Patterning (3). Prerequisite: TPA 3230. This course introduces undergraduate students studying costuming to various methods of designing and constructing patterns. Methods to be examined include drafting, flat patterning, and draping.

TPA 4240. Advanced Costume Draping (3). Prerequisite: TPA 4239 or instructor permission. This course offers advanced study in costume patterning, with an emphasis on draping techniques. It is a project-oriented course.

TPA 4241. Stage Costume Millinery Techniques (3). Exploration into various millinery techniques including the blocked, constructed buckram, straw, and restored hats with emphasis on both historical and theatrical interpretations.

TPA 4244. Fabric Modification for Stage Costumes (3). A survey of two-and-three-dimensional fabric modification techniques as they relate to theatrical costumes. Basic techniques covered include dyes, painting media, printing processes, sewing, and off-loom techniques.

TPA 4246. Designing and Constructing Makeup, Hair, and Wigs (3). Prerequisites: THE 4260, TPA 2000, and TPA 4040. This course examines makeup, hair, and wig styles popular throughout history. Students acquire practical experience in designing and constructing makeup, hair, and wigs.

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, TPA 2201L, 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, TPA 2201L, 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 multiscene 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 (12) 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 (8) semester hours.

TPA 4940r. Internship in Stage Design, Technical Theatre, and Management (1–3). (S/U grade only.) Prerequisites: Completion of all course work in theatre and instructor permission. Resident internship in an approved professional theatre, shop, or enrichment center. May be repeated to a maximum of six (6) 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 (9) 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 (9) 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 (2) 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 (9) 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 (6) 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 (6) semester hours.

TPP 3531. Stage Fight I (3). This course explores how actors use physical text to expand choices in their work, including hand-to-hand combat and found weapons. Paramount to the structure of the class is examination of the emotional/psychic strain this work creates for actors.

TPP 3532. Stage Fight II (3). Prerequisite: TPP 3531. A continuation of Stage Fight I, this class focuses on the use of found weapons, quarter-staffs, and rapiers/daggers in combat. Hand-to-hand work and tumbling are essential to class progression.

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 (9) hours.

TPP 4112r. 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 postrealistic and contemporary styles and thought. May be repeated to a maximum of nine (9) semester hours.

TPP 4224. Audition Techniques (3). 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 4310. Directing I (3). Corequisite: THE 4305. A basic techniques course with emphasis on script analysis, fundamentals of staging, and work with actors.

TPP 4512r. Advanced Movement for the Theatre (3). Prerequisite: 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 (6) semester hours.

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 (9) 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 (6) 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 (6) semester hours.

TPP 4905r. Directed Individual Study (1-3). May be repeated to a maximum of twelve (12) 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 (10) 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 (8) semester hours.

TPP 4940r. Internship in Theatre Performance (1-3). (S/U grade only.) Prerequisites: Completion of all course work in theatre; instructor permission. Resident internship in an approved professional theatre, shop, or enrichment center. May be repeated to a maximum of six (6) 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 5485. Shakespearean Dramaturgy (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 5927r. Graduate Theatre Laboratory (2). (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).
THE 6915. Doctoral Research Potentials (0). (S/U grade only.)
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 5227. Theatrical Lighting Technology (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. Costume Fitting and Advanced Draping (3).
 TPA 5245. Fabric Modification for Stage Costumes (3).
 TPA 5247. Advanced Designing and Constructing Makeup, Hair and Wigs (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 5407. Fundraising in the Arts (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).
 TPP 5145r. Acting Techniques I (3).
 TPP 5146r. Classical Performance Styles (3).
 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 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 course work 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

Chair: Charles Connerly; **Professors:** Connerly, Deyle, Stifftel, Thompson; **Associate Professors:** Audirac-Zazueta, Chapin, Doan, Miles; **Assistant Professors:** Brown, Coutts, Lowe; **Research Associate:** Higgins; **Assistant in Planning:** Walker; **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 three nonmajor 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, certificate and pregraduate programs. Within each of these three 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 universally 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 at the 3000 and 4000 levels 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

The Certificate Program in Urban and Regional Planning

The certificate program is intended for undergraduate students who want to delve more deeply into the field of planning. The program requires two courses in addition to the four required for the minor and is issued only in conjunction with the applicant's receipt of a Bachelor of Arts (BA) Bachelor of Science (BS) degree and a grade of "C—" or better in all courses. One of these two courses is ECO 2023 Principles of Microeconomics (3). The second course should be chosen from a list available from the undergraduate program adviser.

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 course work 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 pregraduate program is available only to those undergraduates who are beginning or 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 score of at least 1000 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 (12) semester hours of course work in which the grade of "B" or higher was earned.

Required Course

URP 3000 Introduction to Planning and Urban Development (3)

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. Approved under the requirement for diversity in western cultures (Y) is: URP 4402 Sustainable Development Planning in the Americas.

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. Outlines efficiency, equity, and environmental quality as competing bases for public decisions. 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). Prerequisites: 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 4531. Policy and Planning for the Aged (3). This course examines issues faced by older people and the current federal and state policies designed to address these issues. It explores these policies and issues in the context of both political economy and the long-term care continuum from independence to dependence.

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 (6) 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 5131. Legal Foundations for Planning (3).

URP 5342. Advanced Planning Problems (3).

URP 5944. Dispute Resolution Practicum (3).

URP 6102. Seminar in Planning Theory (3).

Planning Methods

URP 5201. Methods of Planning Analysis I: Research and Evaluation (3).

URP 5211. Methods of Planning Analysis II: Statistics (3)

URP 5222. Policy Analysis for Planning Decisions (3).

URP 5261. Methods of Planning Analysis III: 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 Regions

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).

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 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).

Health Planning

URP 5522. Regulatory Aspects of Health Care (3).

URP 5530. Policy and Planning for the Aging (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 course work 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

Director: Joyce Carbonell (Psychology/Women's Studies); **Assistant in Women's Studies:** Doris Gray (Women's Studies/Modern Languages); **Participating Faculty:** Pohl (Anthropology); Hartwell (Art); Finnegan (Art Education); Bearor (Art History); Gilmer (Chemistry); N. DeGrummond, Fulkerson, Sickinger, Tatum (Classics); Jordan, Laurents, Nudd (Communication); Young (Dance); MacDonald, Monkman, Schwartz (Educational Leadership and Policy Studies); Barbour-Brennan, Cooper, Edwards, Gardner, Goodman, Laughlin, McGregory, Montgomery, Ortiz-Taylor, Picart, Rowe, Saladin, Walker (English); Green, Hadden, Herrera, Sinke (History); Boutin, Cappuccio, Cloonan, Graham-Jones, Poey, Sharpe, Stanley, Walters (Modern Languages and Linguistics); Davis (Nursing); Marcus (Oceanography); Morales (Philosophy); Kemp (Political Science); Carbonell (Psychology); Erndl, Kalbian, Kavka (Religion); Maxwell, Vinton, Wilke (Social Work); Brewster, Isaac, Martin, Padavic, Reid, Tillman (Sociology); Lynn (Sport Management); Gonzalez, Sandahl (Theatre); Miles (Urban and Regional Planning)

Women's Studies courses are taught by faculty in more than 20 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. Women's Studies 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 reevaluate 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, Women's Studies 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 of the Strozier Library and in the extensive collections of the College of Law Library, Mildred and Claude Pepper Library, and the Jean Gould Bryant Library of Women's Studies. The nearby State Archives is 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, MA, and PhD levels.

For more information and updates see the Women's Studies program Web site at <http://freud.psy.fsu.edu/~womenstudies/>.

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 (33) 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 (3) 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 (6) semester hours may be counted toward both majors; and 2) No minors are required for the double major.

Distribution

WST Requirement

Twelve (12) semester hours in WST interdisciplinary courses: a) WST3015 Introduction to Women's Studies (3) b) WST 3251 Women in Western Culture: Images and Realities (3); c) WST 4931 Seminar in Women's Studies, or WST 4930r Topics In Women's Studies (3); d) either WST 4930r Topics in Women's Studies (3), or WST 4940r Women's Studies Internship (3-6) 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.

Cross-Listed Core Courses

At least twelve (12) semester hours of cross-listed courses listed below are required. Specifically required are three (3) 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)
AMH 4565	Colonial and Revolutionary Era American Women's History (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 3146	Gender and the Bible (3)
REL 3337	Goddesses, Women and Power in Hinduism (3)
REL 4671	Gender and Judaism (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)
SPC 4630	Rhetoric of Women's Issues (3)
SYD 3800	Sociology of Sex and Gender (3)
SYO 4374	Gender and Work (3)

Group C

ARE 4790	Women, Art and Education (3)
ARH 4870	20th Century U.S. Women's Art (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)
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	Female Crime and Delinquency (3)
HOE 3330	Human Sciences and Human Development: Global Perspectives (3)
NUR 3495	Women's Health Issues: Concerns through the Life Cycle (3)
PET 4253	Lesbian and Gay Sport Studies (3)
PET 4254	Gender Issues in Sport and Physical Activity (3)
SOW 4108	Women's Issues and Social Work (3)

SOW 4627 Mental Health of Diverse Populations (3)**Electives**

Nine (9) 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 (3) 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 (6) semester hours of honors thesis hours (WST 4970r Honors Thesis—Women's Studies) toward the Bachelor of Arts (BA) degree, but only three (3) 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 (15) semester hours of approved courses, distributed as follows:

- At least three (3) semester hours of interdisciplinary Women's Studies courses selected from WST3015 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
- At least nine (9) semester hours of cross-listed core courses
- The remaining three (3) 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)
 AMH 4565 Colonial and Revolutionary Era American Women's History (3)
 ANT 4302 Sex Roles in Cross-Cultural Perspective (3)

- ARE 4790 Women, Art and Education (3)
 ARH 4870 20th-Century U.S. Women's Art (3)
 CCJ 4663 Female Crime and Delinquency (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)
 HOE 3330 Human Sciences and Human Development: Global Perspectives (3)
 LIT 3383 Women in Literature (3)
 LIT 4385 Major Women Writers (3)
 LIT 4454 Feminist Theory
 NUR 3495 Women's Health Issues: Concerns through the Life Cycle (3)
 PET 4253 Lesbian and Gay Sport Studies (3)
 PET 4254 Gender Issues in Sport and Physical Activity (3).
 PHM 3123 Philosophy of Feminism (3)
 PUP 3323 Women and Politics (3)
 REL 3145 Gender and Religion (3)
 REL 3146 Gender and the Bible (3)
 REL 3337 Goddesses, Women and Power in Hinduism (3)
 REL 4671 Gender and Judaism (3)
 SOP 3742 Psychology of Women (3)
 SOW 4108 Women's Issues and Social Work (3)
 SOW 4627 Mental Health of Diverse Populations (3)
 SPC 4630 Rhetoric of Women's Issues (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 5564 Women in Modern America (4)
 AMH 5567 Women in 19th-Century America (4)
 AMH 5568 Colonial and Revolutionary Era American Women's History (4)
 ARH 5875 20th-Century Feminist Art Criticism (3)
 EDA 5227 The Role of the Woman Administrator in Education (3)
 EDF 5706 Gender and Education in Comparative Perspective (3)
 HEE 5347r International Home Economics (1–3)
 LIT 5388r Studies in Women's Writing (3)
 PET 5252 Gender Issues in Sport and Physical Activity (3)
 PET 5257 Lesbian and Gay Sport Studies (3)
 REL 5675 Gender and Judaism (3)
 SOW 5109 Women's Issues and Social Work (3)
 SOW 5614 Family Violence Across the Life Span (3)
 SOW 5628 Mental Health of Diverse Populations (3)
 SPC 5639 Rhetoric of Women's Issues (3)
 SPW 5486 Contemporary Spanish Women Writers (3) (In Spanish)
 SPW 5496 Spanish-American Women Writers (3) (In Spanish)
 SYD 5817 Contemporary Theories of Gender (3)
 SYO 5185 Family and Work Linkage (3)
 SYO 5376 Sociology of Gender and Work (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). An interdisciplinary examination of women's roles in the development of Western culture, focusing on women's contributions to music, literature, theatre, art, religion, political thought, and science. Concurrently, this course examines what it meant to be female in each era of 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 (3) 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 (9) 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 woman'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 (6) 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 (9) 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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Director of University Honors Program	Helen Burke
Director of Minority Academic Programs	Angela Richardson
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Police Chief	David Perry
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Director, Telecommunications	Harvey Buchanan
Director, University Business Administrators	Angela Gaskins
Director of Diversity Enhancement and Compliance	Renisha Gibbs

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Interim President, FSU Alumni Association, Inc.	Davis E. "Gene" Walden III
President, Seminole Boosters, Inc.	Andy Miller
President, FSU Foundation	Charles Rasberry
Assistant Vice President for University Relations and Director, University Communications	Franklin D. Murphy
Assistant Vice President for Community Relations	Donna McHugh
Chief of Staff	Scott Atwell
Assistant Vice President for Governmental Relations	Kathleen Daly
Director of Broadcast Center	Patrick Keating
Administrative Director	Aimee Wirth
Director of Events	Paula Moyer
Director of Marketing, University Communications	Reinhart Lerch
Director, Seven Days of Opening Nights	Steve MacQueen
Director of Special Projects, University Communications	Frances Aidman Conaway
Director, University Photo Lab	Michele Edmunds
Director of Visual Media and Promotions	Dennis Schnitker
Director of News and Public Affairs, Director of Publications	Browning Brooks

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Associate Vice President for Student Affairs, Financial Operations	Liz Maryanski
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Director of Career Center	Jeff Garis
Director of University Housing	Rita Moser
Director of Thagard Student Health Center	Lesley Sacher
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Director of University Counseling Center	Nikki Pritchett
Student Body President, 2008-2009	Laymon Hicks
Student Body Vice President, 2008-2009	Ryan Powers
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Director of Center for Academic Retention and Enhancement (CARE)	Angela Richardson
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Director of International Center	Cindy Green
Co-Director of Center for Leadership & Civic Education	Laura Osteen
Co-Director of Center for Leadership & Civic Education	William Moeller

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Dean, College of Communication	John K. Mayo
Dean, College of Criminology and Criminal Justice	Thomas Blomberg
Dean, College of Education	Marcy P. Driscoll
Dean, FAMU–FSU College of Engineering	Ching-Jen Chen
Dean, College of Human Sciences	Billie Collier
Dean, College of Information	Larry Dennis
Dean, College of Law	Wayne A. Logan
Dean, College of Medicine	James Ocie Harris
Dean, College of Motion Picture, Television, and Recording Arts	Frank Patterson
Dean, College of Music	Don Gibson
Dean, College of Nursing	Lisa Plowfield
Dean, College of Social Sciences	David W. Rasmussen
Dean, College of Social Work	C. Aaron McNeece
Dean, College of Visual Arts, Theatre, and Dance	Sally McRorie

UNIVERSITY FACULTY, PROFESSIONAL, AND ADMINISTRATIVE PERSONNEL

Changes in faculty, professional, and administrative staff made after September 30, 2007, may not be reflected in the following list. Please note that departmental faculty listings may reflect changes made after the September 30th deadline; thus, differences may exist between departmental faculty lists and this list.

UNIVERSITY FACULTY

Those whose names are preceded by an asterisk or a plus are members of the graduate faculty. Membership on the graduate faculty falls into one of two categories on the basis of functional responsibility:

- * May teach graduate-level courses and may serve as major professor for master's degree students.
- + May serve as major professor for doctoral students.

Abbot, Fredrick M., J.D., Yale; LL.M., Cal. Berkeley; Professor of Law and Edward Ball Eminent Scholar in International Law

+ **Abdel Razig, Yassir**, Ph.D., Purdue; Assistant Professor of Civil and Environmental Engineering

+ **Abdullah, Makola**, Ph.D., Northwestern University; Assistant Professor of Civil and Environmental Engineering

Abel, Carol L., M.A.; Visiting Associate in Research Academic Affairs

+ **Abele, Lawrence G.**, Ph.D., Miami; University Provost, Executive Vice President for Academic Affairs, and Professor of Biological Science

+ **Abell, Joseph N.**, Ph.D., Florida State University; Associate Professor of Social Work

Abendroth, Maryann, M.S., Florida State University; Assistant in Nursing

+ **Abichou, Tarek**, Ph.D., Wisconsin; Assistant Professor of Civil Engineering

+ **Abood, Doris A.**, Ph.D., Tennessee at Knoxville; Associate Professor of Nutrition Food and Exercise Science

Abraimov, Dmytro, Ph.D., Friedrich-Alexander University Erlangen-Nuremberg; Assistant Scholar/Scientist/Engineer, National High Magnetic Field Laboratory

Adalier, Korhan, Ph.D., Rensselaer Polytechnic; Assistant in Engineering, Panama City Campus

+ **Adams, Jonathan L.**, Ed.D., Boston; Associate Professor of Communication

Adams, Maurice R., B.S.; University School Instructor, Florida State University School

Adams, Sandra, Ph.D., South Florida; Assistant in Research Institute for Science and Public Affairs

+ **Adams, Todd**, Ph.D., Notre Dame; Assistant Professor of Physics

Adelson, Wendi J., J.D., University of Miami; Program Director, Center for the Advancement of Human Rights

* **Adolph, Winnifred R.**, Ph.D., North Carolina at Chapel Hill; Associate Chair and Associate Professor of Modern Languages and Linguistics

Adolph, Wolfgang E., A.B.D., North Carolina; Associate in Modern Languages and Linguistics

+ **Agashe, Amod Sadanand**, Ph.D., California at Berkeley; Assistant Professor of Mathematics

+ **Aggarwal, Sudhir**, Ph.D., Michigan; Professor of Computer Science

+ **Ahliquist, Jon E.**, Ph.D., Wisconsin; Associate Professor of Meteorology

* **Ahn, Toh-Kyeong**, Ph.D., Indiana; Visiting Assistant Professor of Political Science

* **Akbar, Naim**, Ph.D., Michigan; Associate in Clinical Psychology Psychology

Al Otaiba, Stephanie Dent, Ph.D., Vanderbilt University; Assistant Professor of Special Education

+ **Alabugin, Igor V.**, Ph.D., Moscow St. University; Assistant Professor of Chemistry and Biochemistry

+ **Alamo, Ruffina G.**, Ph.D., Madrid; Professor of Chemical Engineering

Alces, Kelli A., J.D., University of Illinois at Urbana-Champaign; Assistant Professor of College of Law

Aldridge, Amy S., B.S.; Faculty Administrator, Chemistry

+ **Aldrovandi, Ettore**, Ph.D., International School for Advanced Studies - Italy; Assistant Professor of Mathematics

Alexander, Dianne G., Ph.D., Florida State University; Director Medical/Health Administration of Communication Disorders

Alexander, Mildred G., M.S.; University School Assistant Professor, Florida State University School

Allaire, Joseph L., Ph.D., Wayne State; Associate Professor of Modern Languages and Linguistics

Allen, Charles W., ; Associate in Film

+ **Allen, Michael L.**, Ph.D., North Texas; Professor of Music

Allen, Susan D., Ph.D., Southern California; Professor of Chemistry and Biochemistry and Electrical and Computer Engineering

Allen, Terice D., B.S.; University School Assistant Professor

Allen, Willie C., Ph.D., Florida State University; Visiting Instructor, College of Education

Allher, Irmin B., Ph.D., Syracuse; Associate Librarian and Department Head University Libraries

Almarza, Dario J., Ph.D., Iowa; Assistant Professor of Elementary and Early Childhood Education and Practice

+ **Al-Otaiba, Stephanie**, Ph.D., Vanderbilt University; Assistant Professor of Special Education

Alston, Sebastian, M.D., University of North Carolina, Chapel Hill; Faculty Administrator, College of Medicine

Altman, Burton H., M.L.S.; Librarian, Strozier Library Pepper Collection

+ **Aluffi, Paolo**, Ph.D., Brown; Professor of Mathematics

Alvarez, Enrique, Ph.D., Illinois; Assistant Professor of Modern Languages

+ **Alvi, Farrukh S.**, Ph.D., Penn State; Associate Professor of Mechanical Engineering

* **Amsler, Eva**, B.M.; Visiting Assistant Professor of Music

Anderson, Ashley M., ; Visiting Assistant in Field Instruction Center for Professional Development Academic Affairs

Anderson, James R., M.A.; Faculty Administrator and Director Florida Resources and Environmental Analysis Center

* **Anderson, Leon, Jr.**, M.M.; Associate Professor of Music

Anderson, Loran C., Ph.D., Claremont Graduate School; Professor of Biological Science

+ **Anderson, Rodney D.**, Ph.D., American University; Professor of History

Anderson, Stephen R., M.A.; Visiting Instructor of Modern Languages

+ **Anderson, Thomas L.**, Ph.D., Georgia; Jessie Lovano-Kerr Professor of Art Education

Anderson-Lazier, Kathryn M., Ph.D., Nebraska; Associate Professor of Nutrition Food and Exercise Sciences

+ **Andrei, Petru**, Ph.D., Maryland; Assistant Professor of Electrical and Computer Engineering

* **Andrews, Pamela L.**, M.M.; Associate Professor of Music

Andrus, Michael, M.S.; Assistant Scholar/Scientist/Engineer, Center for Advanced Power Systems

+ **Ang, James S.**, Ph.D., Purdue University; Professor of Finance and Bank of America, Eminent Scholar in Banking

Anthony, Feulner M., ; Assistant in Research, Panama City Campus

+ **Apel, Kenn**, Ph.D., University of Memphis; Professor of Communication Disorders

Aphorp, James W., B.S.; Faculty Administrator, Collins Center for Public Policy Social Sciences

Arakeri, Vijay H., Ph.D., California Institute of Technology Pasadena; Visiting Associate Scholar/Scientist/Engineer, Mechanical Engineering

Arce, Pedro E., Ph.D., Purdue University; Associate Professor of Chemical Engineering

Archibald, Thomas, M.S., Utah State University; Assistant in Research, Learning Systems Institute

Ard, April D., M.Ed., Valdosta State University; University School Instructor, Florida State University School

+ **Arias, Santa**, Ph.D., Wisconsin at Madison; Associate Professor of Modern Languages and Linguistics

+ **Arjmandi, Bahram**, Ph.D., Kansas State University; Professor and Chair, Nutrition, Food, and Exercise Science

Arline, Terrell K., J.D., Florida; Visiting Instructor of Urban and Regional Planning

Armstrong, Bonnie H., Ph.D., Syracuse; Assistant in Distance Learning

* **Armstrong, Deborah**, Ph.D., University of Kansas; Assistant Professor, Management Information Systems

Armstrong, Margaret, M.A.; Associate in Research Educational Services Program Institute for Science and Public Affairs

Arndt, Elissa, B.S., Gordon College; Assistant in Research, Learning Systems Institute

+ **Arnold, Anthony J.**, Ph.D., Harvard; Associate Professor of Geological Sciences

Arnold, Margaret Elizabeth, B.A., Florida State University; Visiting University School Instructor, Florida State University School

Aronoff, Robert A., M.S.; Assistant in Communication

* **Arora, Krishna**, Ph.D., Indian Institute of Technology (Delhi); Associate Professor of Electrical and Computer Engineering

+ **Arora, Rajendra K.**, Ph.D., St. Andrews; Professor of Electrical and Computer Engineering

+ **Arpan, Laura M.**, Ph.D., Alabama; Associate Professor of Communication

Arthmann, Yaita, M.S., Nova Southeastern University; University School Instructor, Florida State University School

Ashman, Kathleen, Ph.D., Florida State University; Visiting Instructor, English

Ashmore, Margaret, M.S.W., Florida State University; Lecturer of Social Work

Askew, Reubin O'D., J.D., Florida; Reubin O'D. Askew Eminent Scholar in Florida Government and Politics, Distinguished Professor of Public Administration and Policy, Senior Fellow Florida Institute of Government and Reubin O'D. Askew School of Public Administration and Policy

+ **Aspinwall, Leslie N.**, Ph.D., Florida State University; Associate Professor of Middle and Secondary Education

* **Atkeson, Beverly M.**, Ph.D., Georgia; Director, Research Programs/Services Social Work

Atkinson, Robert E., Jr., J.D., Yale; Professor of Law

+ **Atolia, Manoj**, Ph.D., Indiana University; Assistant Professor of Economics

Aubrey, Andree M., M.S.W., Florida State University; Program Director of Health Affairs

+ **Audirac-Zazueta, Ivonne**, Ph.D., Florida; Associate Professor of Urban and Regional Planning

Augustyn, Amy, M.S., Florida State University; Assistant in Research, Learning Systems Institute

Augustyniak, Rebecca H., M.L.S.; Program Director, Center for Information, Training, and Evaluation Services Institute for Science and Public Affairs

* **Austin, Anjali**, ; Associate Professor of Dance

Austin, Debra O.D., Ed.D., Florida State University; Visiting Assistant in Education Leadership and Policy Studies

* **Autore, Donald**, Ph.D., Virginia Polytechnic Institute; Assistant Professor of Finance

+ **Awoniyi, Samuel**, Ph.D., Cornell University; Professor of Engineering

Ayolithazha, Anilkumar, Ph.D., Kerala; Associate in Research, Chemistry and Biochemistry

Baby, Lagy, Ph.D., Bangalore University; Assistant Scholar/Scientist/Engineer, Physics

Bacon, Sarah, Ph.D., University of Maryland, College Park; Assistant Professor of Criminology

Bae, Hoon, Ph.D., Wayne State; Assistant in Research Chemistry and Biochemistry

+ **Baer, Howard A.**, Ph.D., Wisconsin; J. Daniel Kimel Professor of Physics, 2002

+ **Baggott, Julianna C.**, M.F.A., University of North Carolina; Assistant Professor of English

Bagshaw, Roderick, B.C.L.; Visiting Professor of Law

Baik, Bokhyeon, Ph.D., California at Berkeley; Assistant Professor of Accounting

Bailey, James G., M.S.; Assistant Professor of Aerospace Studies

+ **Bailey, Jon Scott**, Ph.D., Kansas; Professor of Psychology

Bailey, Mark W., Ph.D., Virginia; Visiting Assistant Professor of Computer Science

Bailey, Stephan A., J.D., Florida State University; Assistant in Real Estate, Risk Management and Insurance

Bailey, William D., M.S.; University School Assistant Professor, Florida State University School

+ **Bakan, Michael B.**, Ph.D., California at Los Angeles; Associate Professor of Music

+ **Baker, Earl J.**, Ph.D., Colorado; Associate Professor of Geography

Baker, Shelton D., Ph.D., Florida; Assistant Dean of the College of Medicine, Faculty/Academic Administrator of Medical Humanities and Social Sciences

Baker, Suzanne, M.A., University of Georgia; Assistant in Research, Criminology

+ **Baker, Theodore P.**, Ph.D., Cornell; Professor of Computer Science

- Baldwin, Shawn N.**, M.S.; Assistant in Research Center for Prevention and Early Intervention
- + **Baldwin, Thomas L.**, Ph.D., Virginia Polytechnic Institute; Associate Professor of Electrical and Computer Engineering
- + **Baldyga, Natalya**, Ph.D., University of Minnesota, Twin Cities; Visiting Assistant Professor, Theatre
- + **Bales, William D.**, Ph.D., Florida State University; Associate Professor of Criminology
- + **Balicas, Luis**, Ph.D., Paris XI-Orsay; Associate Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
- + **Balkwill, David L.**, Ph.D., Pennsylvania State; Chair of Biomedical Sciences and Distinguished Research Professor, 1998-1999
- + **Bank, Steven A.**, J.D., Chicago; Associate Professor of Law
- + **Banoff, Barbara A.**, J.D., Santa Clara School of Law; Professor of Law
- * **Barabas, Jason**, Ph.D., Northwestern; Assistant Professor of Political Science
- + **Barber, Nanette D.**, M.S.; University School Instructor, Florida State University School
- + **Barbour, Billy M.**, M.S.; Visiting Assistant in Nursing
- + **Barbu, Adrian**, Ph.D., University of California, Los Angeles; Assistant Professor of Statistics
- + **Barclon, Albert I.**, Ph.D., Harvard; Professor of Meteorology
- + **Bardolph, Anne D.**, M.S.; Librarian, Law Library
- + **Barker, James M.**, Ph.D., Florida State University; Assistant in Distance Learning
- * **Barker, Vanessa L.**, M.A.; Assistant Professor of Criminology
- + **Barlow, Larry O.**, Ph.D., Florida State University; Associate in Marriage and Family
- + **Barnhart, William T.**, B.S.; Assistant Professor of Music
- + **Barrager, Jane**, M.S., Florida State University; Visiting Assistant in Information Studies
- + **Barrett Cooke, Debra L.**, M.S., Nova Southeastern University; Visiting Assistant in Panama City Campus
- + **Barrett, Anne E.**, Ph.D., Duke; Assistant Professor of Sociology
- + **Barrett, Debra P.**, M.S.; University School Professor, Florida State University School
- + **Barrilleaux, Charles J.**, Ph.D., State University of New York, Binghamton; Professor of Political Science
- + **Barrow, Stephen P.**, Ph.D., Pennsylvania; Assistant in Research, School of Computational Science and Information Technology
- + **Barry, Donald**, Ph.D., Florida State University; Visiting Assistant in History
- + **Barwick, Suzanne L.**, B.S.; Associate in Business Administration
- + **Bass, Henry W.**, Ph.D., North Carolina State; Associate Professor of Biological Science
- + **Basso, Emma M.**, M.S.W.; Visiting Assistant Professor of Social Work
- + **Bates, George W.**, Ph.D., Washington at Seattle; Associate Chair and Professor of Biological Science
- + **Bathke, Allen W., Jr.**, D.B.A., Florida State University; Associate Professor of Accounting
- + **Baumeister, Roy F.**, Ph.D., Princeton; Francis Eppes Professor of Psychology
- + **Baylor, Amy**, Ph.D., South Carolina; Associate Professor of Educational Research
- * **Beach, King D., III**, Ph.D., City University of New York; Associate Professor of Educational Leadership & Policy Studies
- + **Beane, Janice W.**, B.A.; Faculty Coordinator, College of Medicine
- + **Bearor, Karen A.**, Ph.D., Texas at Austin; Associate Professor of Art History
- + **Beattie, Noreen C.**, M.S.; University School Instructor, Florida State University School
- + **Beaumont, Paul M.**, Ph.D., University of Pennsylvania; Associate Professor of Economics
- + **Beaver, Kevin**, M.S., University of Cincinnati; Visiting Assistant Professor of Criminology
- + **Bebergal, Craig**, M.Ed., Florida Atlantic University; University School Instructor, Florida State University School
- + **Beck, John R.**, M.M.; Visiting Assistant Professor of Music
- + **Beck-Dudley, Caryn**, J.D., University of Idaho; Professor and Dean, College of Business
- + **Becker, Betsy J.**, Ph.D., Chicago; Professor of Educational Psychology
- + **Becker-Powell, Jean M.**, M.S.W.; Visiting Associate Professor of Social Work
- + **Beckham, Joseph C.**, J.D., Florida; Ph.D., Florida; Chair of the Educational Leadership and Policy Studies and Allan Tucker Professor of Educational Policy Studies and Leadership, 2000
- + **Beckles, Jeffrey A.**, B.A.; Visiting University School Instructor, Florida State University School
- + **Beckman, Seth V.**, D.A., Ball State; Assistant Dean of the College of Music and Professor of Music
- + **Beech, Martha C.**, Ph.D., Kent State; Research Associate, Learning Systems Institute
- * **Beeler, Cheryl S.**, R.Ed., Indiana University; Associate Professor and Chair, Sports Management, Recreation Management, and Physical Education
- + **Beerli, Peter**, Ph.D., Zurich; Assistant Professor of Biological Science
- + **Beitsch, Leslie M.**, J.D., Harvard; Professor and Academic Administrator
- + **Belieu, Erin C.**, M.A.; Visiting Assistant Professor of English
- + **Bellenot, Steven F.**, Ph.D., Claremont Graduate School; Professor and Associate Chair of Mathematics
- + **Benavides, Nancy L.**, J.D., Maryland; Associate Dean and Faculty Administrator of the College of Law
- + **Bender, Sarah S.**, B.S.; Visiting University School Instructor, Florida State University School
- + **Benesh, Gary A.**, Ph.D., Virginia Polytechnic Institute and State University; Associate Professor of Finance
- + **Benson, Bruce L.**, Ph.D., Texas A&M; Professor and Chair of Economics and Distinguished Research Professor, 1991-1992
- + **Berg, Bernd**, Ph.D., Freie Universitat Berlin; Paul A. Dirac Professor of Physics
- + **Berg, Bruce H.**, M.D., Illinois; Assistant Dean of the College of Medicine and Faculty/Academic Administrator
- + **Berkley, Karen J.**, Ph.D., Washington; Distinguished Research Professor, 2003-2004, McKenzie Professor, and Professor of Psychology
- + **Berler, Ellen S.**, Ph.D., State University of New York; Research Associate Clinical Psychology Psychology
- + **Berne-Anderson, Thesla A.**, B.S.; Assistant in Medicine
- + **Berry, Frances S.**, Ph.D., Minnesota; Chair of the Askew School of Public Administration and Policy and Frank Sherwood Professor of Public Administration
- + **Berry, Janet K.**, M.S.W.; Lecturer, Social Work
- + **Berry, Ralph M.**, Ph.D., Iowa; Chair and Professor of English
- + **Berry, William D.**, Ph.D., Minnesota; Eminent Scholar of Political Science, Marian D. Irish Professor of Political Science 1999
- + **Bertolette, Randall**, M.D., Temple University; Faculty Administrator, Clinical Sciences
- + **Bertot, John C.**, Ph.D., Syracuse; Professor of Information
- + **Bertram, Richard**, Ph.D., Florida State University; Associate Professor of Mathematics
- + **Bevis, Todd H.**, M.S.; Instructional Specialist in Biological Science
- + **Bichel, Rebecca M.**, M.L.I.S.; Associate Librarian
- + **Bickle, Karen L.**, M.A.; Assistant in Distributed and Distance Learning
- + **Bienkiewicz, Ewa A.**, Ph.D., Colorado State; Assistant Scholar/Scientist/Engineer, Department of Biomedical Studies
- + **Billings, Bruce**, Ph.D., Penn State; Associate Professor of Accounting
- + **Bingham-Harper, Patricia**, M.M., Florida State University; Assistant Librarian, University Libraries
- + **Birar, Kristina H.**, B.S., University of Miami; Visiting University School Instructor, Florida State University School
- + **Bird, Mark D.**, Ph.D., Stanford; Scholar/Scientist/Engineer National High Magnetic Field Laboratory
- + **Birmingham, Charles**, B.S., Florida A & M; Assistant in Research, Strozier Library
- + **Bischof, Eileen**, M.S., Florida State University; Visiting Assistant in Childhood Education, Reading, and Disabilities Services
- + **Bish, Deborah F.**, Ph.D., Arizona State; Assistant Professor of Music
- + **Bishop, Anne**, Ph.D., University of Florida; Associate in Research, Florida Center for Reading Research
- + **Bishop, Jennifer**, M.A., University of South Florida; Assistant in Research, Florida Center for Reading Research
- + **Bishop, Michael**, Ph.D., University of California, San Diego; Professor of Philosophy
- + **Bishop, Wendy**, Ph.D., Indiana; Kellogg W. Hunt Professor of English
- + **Bizimis, Michael**, Ph.D., Florida State University; Visiting Assistant Scholar/Scientist/Engineer, Department of Geological Sciences
- + **Blaber, Michael**, Ph.D., California at Irvine; Associate Professor of Biomedical Sciences
- + **Black, Catherine M.**, Ph.D., Minnesota; Associate Professor of Textiles and Consumer Sciences
- + **Blackburn, Jonathan**, B.S., Liberty University; Visiting Assistant Librarian, Strozier
- + **Blackburn, Maggie**, M.D., Case Western Reserve University; Faculty Administrator, Family Medicine and Rural Health
- + **Blackwelder, Martha A.**, M.A.; Associate in Mathematics
- + **Blair, Jeff A.**, B.S.; Assistant in Research Institute of Science and Public Affairs
- * **Blakely, George C.**, M.F.A.; Professor and Associate Chair, Art
- + **Blakemore, Laura J.**, M.D., Oregon Health Science; Assistant Scholar/Scientist/Engineer, Department of Biological Sciences
- + **Blakney, Gregory T.**, Ph.D., Texas; Assistant Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
- + **Bland, Harold E.**, M.D., Nebraska; Faculty Administrator and Academic Administrator Clinical Sciences
- + **Blankenhorn, Carol T.**, M.Ed., Florida Atlantic; Assistant in Student Teaching
- + **Blass, Fred**, Ph.D., Florida State University; Assistant in Management
- + **Blaufarb, Rafe**, Ph.D., University of Michigan; Professor of History and Ben Weider Eminent Scholar in Napoleonic and French Revolutionary Studies
- * **Blay, Allen**, Ph.D., University of Florida; Assistant Professor of Accounting
- + **Blazek, Ronald**, Ph.D., Illinois; Professor of Information
- + **Blenkhorn, Tamara G.**, J.D., Florida; Assistant in Law
- + **Blenman, Louisa E.**, M.S.; Assistant in International Programs and Academic Administrator International Programs
- + **Blessing, Susan K.**, Ph.D., Indiana; Assistant Dean of the College of Arts and Sciences and Associate Professor of Physics
- + **Bliss, Gary D.**, M.B.A., Florida State University; Assistant in Business Administration
- + **Blizzard, Lindsey A.**, B.S.; University School Instructor, Florida State University School
- * **Block, Elmer**, Ph.D., Ohio State; Assistant Professor, Political Science
- + **Blomberg, Thomas G.**, D.Crim., California at Berkeley; Dean of Criminology and Criminal Justice and Sheldon L. Messinger Professor of Criminology, 2001
- * **Bloom, James J.**, Ph.D., Duke; Assistant Professor of Art History
- + **Bodell, Susan B.**, J.D., Miami; Visiting Assistant in Law
- + **Boebinger, Gregory S.**, Ph.D., Massachusetts Institute of Technology; Director and Professor of the National High Magnetic Field Laboratory, Office of Research
- + **Boegehold, Alan L.**, Ph.D., Harvard University; Visiting Eminent Scholar, Classics
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- * **Boggs, H. Glenn, II**, J.D., Florida State University; Professor of Risk Management/Insurance Real Estate and Business Law
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- * **Carter, Pamela E.**, Ph.D., Florida State University; Assistant Professor, Management Information Systems

- Carter, Tina A.**, M.S.; Lecturer of Economics
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- + **Chanton, Jeffrey Paul**, Ph.D., North Carolina at Chapel Hill; John Widmer Winchester Professor of Oceanography, 2002, and Professor of Oceanography and Geological Sciences
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- + **Cross, Timothy A.**, Ph.D., Pennsylvania; Distinguished Research Professor 2000-2001 Earl Frieden Professor of Chemistry and Biochemistry 2002
- + **Crossley, Mary A.**, J.D., Vanderbilt; Professor of Law
- + **Crow, Gary**, Ph.D., University of Chicago; Professor and Chair of Educational Leadership and Policy Studies
- + **Crow, Judith**, M.Ed., University of Utah; Visiting Assistant in Educational Learning Community
- + **Crowder, Larry B.**, Ph.D., Michigan State; Visiting Eminent Scholar Biological Sciences
- + **Cruce, Carolyn**, M.A., University of Mississippi; Assistant in Research, Learning Systems Institute
- + **Crystal, Nathan M.**, LL.M., Harvard Law; Visiting Professor of Law
- + **Cuccio, Vincent E.**, Ed. Spec.; University School Associate Professor, Florida State University School
- + **Cuchens, Nanna H.**, M.S.N.; Assistant in Nursing
- + **Cuevas, Bryan J.**, Ph.D., Virginia; Assistant Professor of Religion
- * **Cui, Ming**, Ph.D., Iowa State University; Assistant Professor of Family and Child Sciences
- + **Cunningham, Philip**, Ph.D., Albany; Assistant Professor of Meteorology
- * **Curenton, Stephanie M.**, Ph.D., Virginia; Assistant Professor Family and Child Sciences
- + **Curran, Tricia M.**, B.S.; Assistant in Research Program Development and Faculty Support Learning Systems Institute
- + **Currie, Elliot**, Ph.D., California at Berkeley; Visiting Professor of Criminology
- + **Currim, Sabah**, M.S., University of Arizona; Assistant Professor of Information
- + **Dahl, Mary K.**, Ph.D., Stanford; Professor of Theatre
- + **Dahlstrom, Robert L.**, M.B.A.; Assistant in Communication Communication
- + **Daileader, Celia**, Ph.D., Brandeis University; Associate Professor of English
- + **Dalal, Nar S.**, Ph.D., British Columbia; Dirac Professor of Chemistry and Biochemistry 2001 and Distinguished Research Professor 2002-2003
- + **Dale, Steinar J.**, Ph.D., Strathclyde; Academic Director of the Center for Advanced Power Systems and Scholar/Scientist/Engineer
- + **D'Alemberte, H. Talbot**, J.D., Florida; President Emeritus and Professor of Law
- + **Dallet, Jane L.**, M.L.S., Florida State University; Research Associate Center for the Study of Teaching and Learning
- + **Dalton, Jon C.**, Ed.D., Kentucky; Associate Professor of Educational Leadership Director Center for the Study of Values in College Student Development
- + **Dalton, Peter C.**, Ph.D., Rochester; Associate Professor of Philosophy
- + **Dancy, Russell M.**, Ph.D., Harvard; Professor of Philosophy
- + **Danforth, Debra**, M.S., University of South Florida; Associate in Medicine Instruction
- + **Dangiolo, Mariana**, M.D., University of Buenos Aires, Argentina; Faculty Administrator and Academic Administrator, College of Medicine
- + **Daniel, Barbara**, M.S.; Adjunct Instructor Communication
- + **Darabi, Abbas**, Ph.D., Florida State University; Assistant Professor and Associate Program Director of Educational Research Learning Systems Institute
- + **Darke, Peter**, Ph.D., University of Toronto; Assistant Professor of Marketing
- + **Darling, Carol Anderson**, Ph.D., 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**, Ph.D., Florida State University; Irvin Cooper Professor of Music
- + **Darst, David H.**, Ph.D., Kentucky; Professor of Modern Languages and Linguistics
- + **Davidson, Micheal W.**, M.S., Georgia State; Assistant in Research, National High Magnetic Field Laboratory
- + **Davies, Kerry N.**, M.A.; Visiting University School Instructor, Florida State University School
- + **Davis, Barbara J.**, M.A.; Visiting University School Instructor, Florida State University School
- + **Davis, Charlotte**, Ph.D., Florida State University; Assistant in Research Program Development and Faculty Support Learning Systems Institute
- + **Davis, Frederick R.**, Ph.D., Yale; Assistant Professor of History
- + **Davis, Katherine A.**, M.S.; Associate in Elementary Education Panama City Branch
- * **Davis, Lynda J.**, M.F.A.; Nellie-Bond Dickinson Professor of Dance
- + **Davis, Marian L.**, Ph.D., California at Los Angeles; Professor of Clothing Textiles and Merchandising
- + **Davis, Nancy T.**, Ph.D., Georgia; Associate Professor of Middle and Secondary Education
- + **Davis, Patricia M.**, M.S.; University School Professor, Florida State University School
- + **Day, Matthew C.**, Ph.D., Brown; Assistant Professor of Religion
- + **Day, Sheryl Lee**, Ph.D., Florida State University; Visiting Instructor of Special Education
- + **De Craene, Mechelle**, M.Ed., University of Florida; Assistant in Research, Florida Center for Reading Research
- + **de Grummond, Nancy T.**, Ph.D., North Carolina at Chapel Hill; M. Lynette Thompson Professor of Classics 1999
- + **De Medeiros, Breno F.**, Ph.D., Johns Hopkins; Assistant Professor Computer Science
- + **DeBrunner, Linda**, Ph.D., Virginia Polytechnical Institute and State University; Associate Professor of Electrical and Computer Engineering
- + **DeBrunner, Victor**, Ph.D., Virginia Polytechnical Institute and State University; Professor of Electrical and Computer Engineering
- + **DeCesare, Steven**, M.D., University of Medicine and Dentistry, New Jersey; Clinical Assistant Professor, Medicine Instruction
- + **Decker, Donna Marie**, Ph.D., Florida State University; Visiting Assistant in Business Communication
- + **Deckerhoff, Rosalyn**, M.S.W., Florida State University; Assistant in Field Education, Social Work
- + **Degen, John A.**, Ph.D., Indiana; Associate Professor of Theatre
- + **DeHaven-Smith, Lance M.**, Ph.D., Ohio State; Professor of Public Administration and Policy and Director Florida Institute of Government
- + **Dejong, Lorraine C.**, M.A.; Instructor Human Resources
- + **DeLadurantey, Julie**, B.S., Florida State University; University School Instructor, Florida State University School
- + **Delano, Monica E.**, Ph.D., Virginia; Assistant Professor of Special Education and Rehabilitation Counseling Services
- + **Dell, Dawn Marin**, J.D., California Western School of Law; Assistant University Librarian, Law Library
- + **Delorey, Patricia A.**, M.F.A.; Assistant in Actor Training
- + **Delp, Roy E.**, M.M., New England Conservatory; Walter S. James Professor of Voice 2001 and Professor of Music
- + **Delva, Jorge**, Ph.D., Hawaii; Visiting Scholar/Scientist/Engineer of Social Sciences
- + **DelMeester, Karen**, Ph.D., Florida State University; Visiting Assistant in Research, Learning Systems Institute
- + **Demmel, Zeldia A.**, M.S.W.; Visiting Assistant Professor of Social Work
- + **Deng, Hongying**, M.S., Wuhan University, China; Assistant in Research, Biological Sciences
- + **Deng, Wu Min**, Ph.D., Edinburgh; Visiting Assistant Professor of Biological Science
- + **Denner, Vanessa P.**, Ph.D., Indiana; Assistant Professor of Educational Psychology
- + **Dennis, Lawrence C.**, Ph.D., Virginia; Dean and Professor of the College of Information
- + **DePuy, George**, Ph.D., Syracuse University; Dean of the Panama City Campus and Faculty Administrator and Academic Administrator
- + **Deshmukh, Abhijit**, Ph.D., Purdue; Assistant Professor of Industrial Engineering
- + **Devareddy, Latha**, Ph.D., Oklahoma State University; Research Associate, Nutrition Food, and Exercise Sciences
- + **Devine, Judith J. Jones**, Ed.D., Tennessee at Knoxville; Associate in Graduate Studies
- + **Dewar, William K.**, Ph.D., Massachusetts Institute of Technology; Chair and Professor of Oceanography and Pierre Welander Professor of Oceanography 2001
- + **Dexter, Joe E.**, B.S.; University School Assistant Professor, Florida State University School
- + **Dexter, Nadine D.**, M.L.S., Florida State University; Associate Librarian, College of Medicine
- + **Dexter, Norma J.**, M.B.A., Emporia State University; Associate in Business Administration
- + **Deyle, Robert E.**, Ph.D., State University of New York at Syracuse; Professor of Urban and Regional Planning
- + **Deyoung, Gretchen J.**, B.S.N.; Assistant in Nursing
- + **Dhanarajan, Pushparani**, M.S.; Associate in Biological Science Biological Science
- + **Diaz-Obando, Evangelina**, M.S.; Visiting Assistant Professor of Middle and Secondary Education
- + **Dickson-Carr, Darryl B.**, Ph.D., California at Santa Barbara; Associate Professor of English
- + **Didier, Ruth Ann**, B.S.; Assistant in Research Learning Systems Institute
- + **Dietrick, Joelle**, M.F.A., University of California, San Diego; Visiting Assistant Professor
- * **Dietz, Dan**, M.F.A., University of Texas, Austin; Assistant Professor of Theatre
- + **Diez-Arguelles, Lise H.**, M.A.; Assistant in Business Communication Management
- + **Dilling, Janet D.**, M.P.A.; Associate in Public Affairs
- + **Dillon, Stephanie R.**, Ph.D., Florida State University; Coordinator of Chemistry
- + **Diskin, Barry A.**, Ph.D., Georgia State; Professor of Risk Management/Insurance Real Estate and Business Law
- + **Dittmar, Thorsten**, Ph.D., Bremen; Assistant Professor of Oceanography
- + **Dixon, Iain R.**, M.S., M.E., Old Dominion University; Research Associate, National High Magnetic Field Laboratory
- + **Dixon, John R.**, Ph.D., Wisconsin; Visiting Assistant Professor of Statistics
- + **Dixon, Marc**, Ph.D., Ohio State; Assistant Professor of Sociology
- + **Dmitrieva, Natalia**, Ph.D., Sherrington School of Physiology; Research Associate, Psychology
- + **Doan, Peter L.**, Ph.D., Cornell; Associate Professor of Urban and Regional Planning
- + **Dobak, William J.**, D.O., Ohio University; Clinical Assistant Professor of Clinical Sciences
- + **Dobrin, Michele B.**, B.S.; University School Assistant Professor Florida State University School
- + **Dobrosavljevic, Vladimir**, Ph.D., Brown; Associate Professor of Physics
- + **Dodaro, Kenneth A.**, M.S.; Associate in Mathematics
- + **Dodge, Joseph M., III**, LL.M., New York University; Professor of Law
- + **Doerner, William G.**, Ph.D., Tennessee; Professor of Criminology and Criminal Justice
- + **Doesaran, Ramesh**, Ph.D., Toronto; Visiting Lecturer of Criminology and Criminal Justice
- + **Doffek, Pamela J.**, M.L.S., Arizona; Associate Librarian, College of Information
- + **Donaldson, Barbara M.**, M.S.; Associate in Research, Program Development and Faculty Support
- + **Donoghue, Joseph F.**, Ph.D., Southern California; Associate Professor of Geological Sciences
- + **Doran, Glen H.**, Ph.D., California at Davis; Professor of Anthropology
- * **Doran, James S.**, Ph.D., Texas; Assistant Professor of Finance
- + **Dorr, Clyde**, M.D., University of Oklahoma; Clinical Professor of Medicine Instruction
- * **Dorsey, Jodee L.**, Ph.D., Tennessee; Associate Dean of the College of Human Sciences and Associate Professor of Nutrition Food and Exercise Science

- + **Dorsey, John G.**, Ph.D., Cincinnati; Professor of Chemistry and Biochemistry and Katherine Blood Hoffman Professor of Chemistry and Biochemistry 2000
- + **Dougherty, Ralph C.**, Ph.D., Chicago; Professor of Chemistry and Biochemistry
- + **Douglas, Ceasar**, Ph.D., Mississippi; Associate Professor of Management
- + **Douglas, Ian W.**, Ph.D., Glasgow Caledonian University; Assistant Professor and Associate Program Director of Learning Systems Institute
- * **Downs, Phillip E.**, Ph.D., North Carolina at Chapel Hill; Professor of Marketing
- Drake, Richard M.**, ; Instructor of Military Science
- Draper, Jerry L.**, Ph.D., University of North Carolina; Dean Emeritus College of Visual Arts, Theatre, and Dance and Associate Professor of Art History
- + **Dresang, Eliza T.**, Ph.D., University of Wisconsin-Madison; Eliza Atkins Gleason Professor of Information Studies
- + **Drew, John R.**, D.M.A., University of Kentucky; Professor of Music
- Driscoll, Kimberly**, Ph.D., Florida State University; Assistant Scholar/Scientist/Engineer, Medical Humanities
- + **Driscoll, Marcy P.**, Ph.D., Massachusetts; Dean of the College of Education and Professor of English (Leslie J. Briggs Professor of Educational Research 2002)
- Drouillard, Colette**, M.S., Florida State University; Instructor Librarian, Information
- Druash, Jacqueline**, M.S., Florida State University; Associate Librarian, Strozler
- + **Duan, Zhenhai**, Ph.D., Minnesota; Assistant Professor of Computer Science
- Dubard, John A.**, Ph.D., Florida State University; Visiting Associate Scholar/Scientist/Engineer, Communication
- + **Dudley, Gregory B.**, Ph.D., Massachusetts Institute of Technology; Visiting Assistant Professor of Chemistry and Biochemistry
- + **Dudley, Lynn**, Ph.D., Washington State University; Professor of Geological Sciences
- + **Duke, Dennis W.**, Ph.D., Iowa State; Professor of Physics
- Dukhovskoy, Dmitriy**, Ph.D., Alaska; Research Associate, Meteorology
- * **Dumm, Randy E.**, Ph.D., Georgia; Associate Professor of Risk Management/Insurance
- Duncan, Carol G.**, Ph.D., Columbia; Visiting Eminent Scholar Art History
- * **Dunn, Julia K.**, Ph.D., Illinois; Associate Professor of Human Services and Studies
- Dunn, Luckey**, M.D., University of Florida; Faculty Administrator, Family Medicine and Rural Health
- + **Dunnigan, David P.**, M.M., Northwestern; Professor of Music
- Dupuigrenet Desroussilles, François**, Ph.D., Ecole Nationale des Chartes; Professor of Humanities
- Durham, Christin M.**, B.A.; University School Instructor, Florida State University School
- Durtschi, Cindy**, Ph.D., Arizona; Assistant Professor of Accounting
- + **Dusenbury, Richard B.**, Ph.D., Wisconsin at Madison; Associate Professor of Accounting
- Dushenkov, Viatcheslav**, Ph.D., Moscow Pedagogical; Visiting Research Associate Center for Biomedical and Toxicological Research
- * **Dutton, Gareth**, Ph.D., Louisiana State; Assistant Professor of Medical Humanities and Social Science
- Dwyer, Colin F.**, B.F.A.; Associate in Research Educational Services Program Institute of Science and Public Affairs
- + **Dyer, Barbara**, Ph.D., University of Tennessee, Knoxville; Chair and Associate Professor of Textiles and Consumer Sciences
- Dyson, Gregory W.**, M.B.A.; Assistant Professor of Military Science
- + **Eastman, Kevin L.**, Ph.D., Pennsylvania; Professor of Risk Management/Insurance Real Estate and Business Law
- + **Easton, Peter A.**, Ph.D., Florida State University; Associate Professor of Educational Leadership and Policy Studies
- * **Ebbers, Paul D.**, M.M., Northwestern University; Associate Professor of Music
- Ebbers, Suzanne J.**, M.A.; Assistant in Research Learning Systems Institute
- + **Ebener, Deborah J.**, Ph.D., Wisconsin; Associate Professor of Childhood Education, Reading, and Disability Services
- Ebener, Lisa A.**, B.S.; University School Instructor, Florida State University School
- + **Eberstein, Isaac Warren**, Ph.D., Texas; Charles Meade Grigg Professor of Sociology, 2001, Program Director Sociology, and Research Associate Center for the Study of Population
- Eby, Chad**, M.F.A., University of Maryland; Assistant Professor of Art
- * **Eccles, David W.**, Ph.D., Wales; Assistant Professor and Associate Program Director Program Development/Faculty Support Learning Systems Institute
- + **Eckel, Lisa A.**, Ph.D., Western Ontario; Assistant Professor of Psychology
- Edrington, Chris S.**, Ph.D., University of Missouri, Rolla; Assistant Professor of Electrical and Computer Engineering
- + **Edwards, Barbara J.**, Ed.D., Kentucky; Associate Dean of the College of Education and Associate Professor of Special Education
- + **Edwards, Leigh H.**, Ph.D., Pennsylvania; Assistant Professor of English
- Edwards, Steve**, Ph.D., Johns Hopkins; Professor of Physics Dean of the Faculties Emeritus and Deputy Provost
- + **Efimov, Nina**, Ph.D., Florida State University; Associate Professor of Modern Languages and Linguistics
- Eger, Robert**, Ph.D., University of Kentucky; Associate Professor of Public Administration and Policy
- Eggebraaten, Gary B.**, M.S.; Program Director Communication and Multimedia Services
- * **Eginton, Margaret L.**, M.F.A.; Assistant in Actor Training Theatre
- * **Ehrlich, Sean**, Ph.D., University of Michigan; Assistant Professor of Political Science
- * **Ehrlinger, Joyce**, Ph.D., Cornell University; Assistant Professor of Psychology
- Eisenhart, Corinne**, Ph.D., University of Virginia; Assistant in Research, Learning Systems Institute
- Ek, Robert**, M.F.A., University of Alabama; Assistant Professor of Theatre
- + **Eklund, Robert C.**, Ph.D., North Carolina; Professor of Educational Psychology and Learning Systems
- Ekman, Jonathan M.**, B.A.; Visiting Assistant in Research Center for Educational Research and Policy Studies
- + **El-Azab, Anter A.**, Ph.D., California; Associate Professor of Mechanical Engineering
- Elkholder, Ihsan A.**, M.S.; Visiting Assistant in Research Program Development/Faculty Support Learning Systems Institute
- + **Ellingson, Robert G.**, Ph.D., Florida State University; Chair of the Meteorology and Professor of Meteorology
- + **Ellington, W. Ross**, Ph.D., Rhode Island; Associate Vice President for Research and Michael J. Greenberg Professor of Biological Science 2001
- Elliot, Lynn T.**, M.S.N.; Assistant in Nursing
- Ellis, Marc H.**, Ph.D., Marquette; Visiting Professor of Religion
- + **Elsner, James Brian**, Ph.D., Wisconsin at Milwaukee; Professor of Geography
- Elton, Catherine P.**, M.S., Florida State University; Assistant University Librarian, Center for Information, Training, and Evaluation Services
- Emets, Sergey V.**, Ph.D., Moscow State; Assistant in Research Chemistry and Biochemistry
- + **Emmerson, Richard**, Ph.D., Stanford University; Chair and Professor of Art History
- Emmett, Mark R.**, Ph.D., Texas; Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
- Engel, Lloyd M.**, Ph.D., Princeton; Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
- Englander, Ongi**, Ph.D., University of California, Berkeley; Assistant Professor of Mechanical Engineering
- English, R. William**, Ph.D., Wisconsin; Professor of Human Services and Studies
- + **Epstein, Andrew D.**, Ph.D., Columbia; Assistant Professor of English
- + **Epstein, Lloyd M.**, Ph.D., Indiana; Associate Chair for Curriculum and Associate Professor of Biological Science
- Epstein, Susan A.**, M.L.S.; Associate Librarian Career Center
- + **Erickson, Gregory M.**, Ph.D., California at Berkeley; Assistant Professor of Biological Science
- Erickson, Thomas A.**, M.A.; Visiting Assistant in Research Center for Prevention
- + **Ericsson, Karl A.**, Ph.D., University of Stockholm; FSCW/Kingsbury Eminent Scholar in Honor and Memory of Dr. Edward Conradi and Professor of Psychology
- + **Erlebacher, Gordon**, Ph.D., Columbia; Professor of Mathematics
- + **Erdl, Kathleen M.**, Ph.D., Wisconsin; Associate Professor of Religion
- Eubanks, Barbara**, Ph.D., Florida State University; Assistant in Elementary Education, Panama City Campus
- Eudy, Constance**, M.A., Florida Gulf Coast University; Assistant in Academic and Professional Program Services
- + **Eugenio, Paul M.**, Ph.D., Massachusetts; Assistant Professor of Physics
- Evans, Joe**, M.P.A.; Instructor of Industrial Engineering
- Evans, Linda R.**, M.S.W.; Visiting Assistant Professor of Social Work
- Evans, Mark S.**, M.L.S.; Librarian Law Library
- * **Eveland, Vicki B.**, Ph.D., Mississippi State; Professor of Communication
- Everage, Karen**, M.S., Florida State University; Associate in Mathematics
- Everett, Cynthia J.**, M.S.; Assistant in University Computing Services
- + **Everhart, Nancy L.**, Ph.D., Florida State University; Associate Professor, College of Information
- + **Ewald, Brian**, Ph.D., Indiana University; Assistant Professor of Mathematics
- + **Fadool, Debra Ann**, Ph.D., Florida; Associate Professor of Biological Science
- + **Fadool, James M.**, Ph.D., Michigan State; Visiting Assistant Professor of Biological Science
- + **Fagherazzi, Sergio**, Ph.D., Padova; Assistant Professor of Geological Sciences
- Fair, Michael Glen**, B.S.; University School Instructor, Florida State University School
- Fair, Sue**, B.S., Florida A & M; University School Instructor, Florida State University School
- Fairbanks, Emily**, B.S., Florida State University; Assistant in Research, Learning Systems Institute
- Fairhurst, Brian P.**, B.S.; Faculty Administrator and Associate Program Director National High Magnetic Field Laboratory
- Fairley, Elizabeth P.**, M.L.S., Florida State University; Librarian, University Libraries
- + **Fajer, Piotr G.**, Ph.D., University of Leeds; Professor of Biological Science
- Falascetti, Dino**, Ph.D., Washington University; Associate Professor of Law
- Falk, Christopher**, M.A., Miami University; Assistant in Accounting
- + **Falk, Dean**, Ph.D., Michigan; Chair of the Anthropology and Hale G. Smith Professor of Anthropology
- Fantham, Rosamund E.**, Ph.D., Liverpool University; Visiting Eminent Scholar of Classics
- Farr, Donald G.**, M.B.A., Campbell University; Associate in Golf Management
- Farrell, Elizabeth A.**, J.D., University of Cincinnati; Visiting Assistant Librarian, Law Library
- * **Farrell, Suzanne**, ; Francis Eppes Professor of Dance
- Farrow, Lawrence**, ; Associate Professor of Music.
- + **Faulk, Barry**, Ph.D., Illinois; Associate Professor of English
- + **Feiock, Richard C.**, Ph.D., Kansas; Augustus B. Turnbull Professor of Public Administration
- Feiock, Ruth S.**, B.A.; Assistant in and Academic Administrator Provost Office
- Fendrich, James M.**, Ph.D., Michigan State; Professor of Sociology
- Feng, Xujun**, M.A., Portland State University; Assistant in Chinese, Modern Languages
- + **Fenley, Marcia O.**, Ph.D., State University of New Jersey; Assistant Professor of Physics
- + **Fenley, Sergio R.**, Ph.D., Princeton; Professor of Mathematics
- + **Fennema, Martin G.**, Ph.D., Illinois; Chair of the Accounting and Associate Professor and Accounting
- + **Fenstermaker, John J.**, Ph.D., Ohio State; Distinguished Teaching Professor 2000-2001 Distinguished Research Professor 2001-2002 Fred L. Standley Professor of English 2002
- + **Fenton, Kevin A.**, Ph.D., Florida State University; Professor of Music
- Ferguson, Karen M.**, M.A.; Assistant Professor of Aerospace Studies
- + **Fernandez, Roberto G.**, Ph.D., Florida State University; Dorothy Lois Breen Hoffman Professor of Modern Languages and Linguistics 2001
- Ferrell, David L.**, Ph.D., Florida State University; Visiting Assistant in Research, Biological Sciences
- + **Ferris, Gerald R.**, Ph.D., Illinois at Urbana-Champaign; Francis Eppes Professor of Management
- Fetterly, James S.**, Ed.S., Florida State University; Visiting Assistant in Elementary Education
- Feulner, Mark**, M.A.; Assistant in Research, Panama City Campus
- Fielding, Raymond**, Ph.D., Southern California; Dean and Professor of Motion Picture Television and Recording Arts
- + **Figley, Charles R.**, Ph.D., Pennsylvania State; Professor of Social Work
- + **Figuroa Galvez, Arturo**, Ph.D., Arizona; Assistant Professor of Nutrition Food and Exercise Sciences
- + **Fincham, Francis**, Ph.D., Oxford; Professor Eminent Scholar Chair and Director of Family and Child Sciences
- Finley, Amy**, M.S., Florida State University; Visiting Associate Librarian, Center for Information, Training, and Evaluation Services
- Finnegan, June E.**, Ph.D., Missouri-Columbia; Associate Professor of Art Education
- Finney, Wright C.**, M.S.; Research Associate, Chemical Engineering
- Fiore, Giordano B.**, B.S.; Associate in Biological Science Biological Science
- + **Fiorito, Jack T.**, Ph.D., Illinois; J. Frank Dame Professor of Management 1999

- + **Fiorito, Susan S.**, Ph.D., Oklahoma State; Associate Professor of Textiles and Consumer Sciences
- + **Fischer, Thomas M.**, Ph.D., Mainz; Associate Professor of Chemistry and Biochemistry
- + **Fisher, Alice A.**, B.S.; Research Associate Educational Services Program Institute of Science and Public Affairs
- + **Fisher, Douglas L.**, M.M., Florida State University; Professor of Music
- + **Fisher, Elizabeth**, Ph.D., Oxford; Visiting Professor of Law
- + **Fisher, Frederick A.**, M.A.; Associate in Information and Management Science
- + **Fisher, Richard D.**, M.A., M.Ed.; Faculty Administrator and Director Challenger Learning Center
- + **Fisher, Stacey**, M.S.; Assistant in Research Learning Systems Institute
- * **Fiske, Angela**, Ed.S., State University of West Georgia; Visiting Assistant Professor of Center for Education, Reading, and Disability Services
- + **Fister, Laura**, M.Ed., Florida State University; Visiting Instructional Specialist, Center for Intensive English Studies
- + **Fitzgerald, Katheryn L.**, M.S.; Visiting University School Instructor, Florida State University School
- + **Fitzsimmons, Rebecca**, M.F.A., University of Illinois at Urbana-Champaign; Assistant in Museum Operations
- + **Flake, Janice L.**, Ph.D., Illinois; Professor of Elementary and Early Childhood Education and Practice
- + **Flanagan, Scott C.**, Ph.D., Stanford; Professor Emeritus of Political Science
- + **Fleckenstein, Kristie**, Ph.D., Illinois State University; Associate Professor of English
- + **Fleischmann, Kenneth R.**, Ph.D., Rensselaer Polytechnic Institute; Assistant Professor of Information
- + **Fleming, Marie**, Ph.D., University of London; Professor of Philosophy
- + **Fleming, Raymond R.**, Ph.D., Harvard; John Francis Dugan Professor of Modern Languages and Linguistics
- + **Fletcher, Donna Newcomer**, Ph.D., Florida State University; Associate Professor of Human Services and Studies
- + **Flowers, Jason**, B.S., Middle Tennessee State University; Assistant in Research, Learning Systems Institute
- + **Flynn, Elizabeth R.**, Ph.D., Alabama; Professor of Marketing
- + **Flynn, John L.**, Ph.D., Florida State University; Assistant in Distance Learning
- + **Flynn, Kylie**, B.A., Michigan State University; Assistant in Research, Florida Center for Reading Research
- + **Foo, Simon**, Ph.D., South Carolina; Professor of Electrical and Computer Engineering
- + **Foorman, Barbara**, Ph.D., University of California, Berkeley; Professor of Childhood Education, Reading, and Disability Services
- + **Ford Tyson, Ann R.**, M.S.; Associate in Computer Science
- + **Ford, W. Scott**, Ph.D., Kentucky; Associate Professor of Sociology
- * **Ford-Kronholz, Barbara J.**, M.M., University of Michigan; Associate Professor of Music
- + **Foreman, Frederick J.**, Ph.D., Florida A&M University; Assistant Professor of Mechanical Engineering and Director of Minority Programs
- + **Forrester, Sheila M.**, Ph.D., Florida State University; Visiting Instructor of Music
- + **Fortenberry, Norman L.**, Sg.D., Massachusetts Institute of Technology; Associate Director and Assistant Professor of Mechanical Engineering
- + **Fossheim, Kristian J.**, Ph.D., Oslo; Visiting Scientist National High Magnetic Field Laboratory
- + **Foster, Diane K.**, M.L.S.; Assistant Librarian, University Libraries
- + **Foster, Elizabeth F.**, Ph.D., Southern California; Associate in Learning Systems Institute
- + **Foulk, David F.**, Ed.D., Tennessee; Associate Dean of the College of Education, Chair and Professor of Middle and Secondary Education
- + **Fournier, Gary M.**, Ph.D., Virginia; Professor of Economics
- + **Fowler, Nancy Carolyn**, Ph.D., Ohio State; Professor of Music
- + **Fox, Phillip M.**, M.S.; Research Associate Center Educational Research and Policy Studies
- + **Foy, Margaret H.**, M.S.; Visiting University School Instructor, Florida State University School
- + **France, Shannon C.**, B.A., Flagler College; University School Instructor, Florida State University School
- + **Frank, Andrew K.**, Ph.D., University of Florida; Assistant Professor of History
- * **Frank, Deborah I.**, Ph.D., Florida State University; Professor of Nursing
- + **Franklin, Andrew I.**, Ph.D., University of Sheffield, U.K.; Visiting Assistant in Chemistry and Biochemistry
- + **Fraser, Bruce T.**, M.S.; Visiting Research Associate, College of Information
 - + **Fraser, John A.**, M.A.; Assistant Vice President of Research, Associate in Research and Director of Technology Transfer, Office of Research
 - + **Frawley, Anthony D.**, Ph.D., Australian National University; Staff Physicist Physics
 - + **Fredrickson, William**, Ph.D., Florida State University; Assistant Dean and Professor of Music
 - + **Freeman, Marc Edward**, Ph.D., West Virginia; Lloyd M. Beidler Professor of Biological Science 2000 Distinguished Research Professor 1994-1995
 - + **Freiberg, Jack W.**, Ph.D., Institute of Fine Art-New York University; Associate Dean of the College of Visual Arts, Theatre, and Dance
 - + **French, Elizabeth S.**, M.F.A.; Assistant Professor of English
 - + **Friedrich, Charles T.**, A.S.; Assistant Director Telecommunications Telecommunications
 - + **Froelich, Kathy**, Ph.D., Fordham University; Visiting Assistant in Middle and Secondary Education
 - + **Froelich, Mark**, M.S., Florida State University; Assistant Librarian, Music
 - + **Froelich, Philip N., Jr.**, Ph.D., Rhode Island; Professor of Oceanography
 - + **Frost, Shawn B.**, Ph.D., Florida State University; Assistant in Neuroscience Psychology
 - + **Fu, Riqiang**, Ph.D., Wuhan; Associate Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
 - + **Fuelberg, Henry E.**, Ph.D., Texas A&M; David W. Stuart Professor of Meteorology
 - + **Fueyo, Vivian**, Ph.D., Kansas; Chair and Professor of Elementary Education
 - + **Fulkerson, Laurel**, Ph.D., Columbia; Assistant Professor of Classics
 - + **Fuller, Matthew**, M.B.A., University of Massachusetts, Amherst; Visiting University School Instructor, Florida State University School
 - + **Fulton, Robert L.**, Ph.D., Harvard; Professor of Chemistry and Biochemistry
 - + **Funk, Fanchon Felice**, Ed.D., Tennessee; Associate Professor of Educational Leadership
 - + **Furbish, David J.**, Ph.D., Colorado; Professor of Geological Sciences
 - + **Fuzier, Sylvie**, Ph.D., Florida State University; Assistant Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
 - + **Gabel, Gary**, M.Ed., Georgia State University; Assistant in Research, Learning Systems Institute
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- Winnicki, Tomasz M.**, Ph.D., D.Sc., Technical University of Wroclaw; Visiting Scholar/Scientist/Engineer, Center for Biomedical and Toxicological Research
- Winterbottom, Randee**, M.S.; Assistant in Research, Learning Systems Institute
- + **Wise, Sherwood W.**, Ph.D., Illinois; Lyman D. Toulmin Professor of Geological Sciences 2001

- Wishart, David P., Ph.D., Florida State University; Assistant in Research Mechanical Engineering
- Wogamon, Lou A., M.A.; Visiting Instructor of English
- Wolf, Jolen R., J.D., Florida State University; Assistant in Law
- + Wolfgang, Charles H., Ph.D., Pittsburgh; Professor of Elementary and Early Childhood Education and Practice
- Wolfgruber, Walburga, M.F.A., New York University; Visiting Assistant Professor of Dance
- * Wolfson, Gabriela S., Ph.D., Kentucky; Visiting Faculty Administrator of Planning and Programs
- Wonder, Nancy M., Ph.D., Missouri; Visiting Instructor of Human Services and Studies
- Woo, Ruth S., Ph.D., Florida State University; Instructor Librarian, Career Center
- + Wood, Susan, Ph.D., Florida; Associate Professor of English Education
- Woodard, Yvonne D., M.S.W., Florida State University; Visiting University School Instructor, Florida State University School
- Woodruff, Stephen L., Ph.D., Michigan; Associate Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
- Woods, Julian J., Ph.D., University of Oregon; Chair and Professor of Communication Disorders
- Woodward, Edward V., M.A., Florida State University; Associate in Archives, Strozier
- Wooland, James R., M.S.; Associate in Mathematics
- Wright, Clive O., M.A.; Research Associate Center for Study of Teaching and Learning
- Wright, David, B.A., College of Florida; University School Instructor, Florida State University School
- Wright, T. Perrin, Jr., Ph.D., Wisconsin-Madison; Professor of Mathematics
- * Wright, Thomas G., M.M.; Professor of Music
- Wright-Cleveland, Margaret, M.A., University of Louisville; Director and Assistant in Faculty Recognition
- Wruck, Eric, Ph.D., Texas A & M; Visiting Assistant in Research, Florida Center for Reading Research
- Wu, Chi-Fu, Ph.D., Carnegie Mellon University; Visiting Assistant Professor, Mechanical Engineering
- + Wu, Wei, Ph.D., Brown University; Assistant Professor of Statistics
- Wu, Yonghui, Ph.D., Chinese Academy of Sciences, Beijing, China; Visiting Assistant in Meteorology
- + Wulff, Jeanette L., Ph.D., Yale; Assistant Professor of Biological Science
- + Wynot, Edward D., Ph.D., Indiana; Professor of History
- Xie, Dongqing, M.S., University of Florida; Associate in Libraries and Coordinator of Integrated Library System and Networked Services, Strozier
- Xin, Yan, Ph.D., Cambridge; Associate in Research, College of Engineering
- + Xiong, Peng, Ph.D., Brown; Associate Professor of Physics
- Xu, Yingfeng, Ph.D., Tulane University; Visiting Assistant in Research, Geological Sciences
- Xue, Song, Ph.D., Chinese Academy of Sciences; Assistant in Research, Institute of Molecular Biophysics
- Yamauchi, Takayasu, Ph.D., Moshi University; Assistant in Research, Chemistry and Biochemistry
- + Yancey, Kathleen B., Ph.D., Purdue University; Kellogg W. Hunter Professor of English
- Yancey, Teresa D., M.S.; University School Instructor, Florida State University School
- + Yang, Kaifeng, Ph.D., Rutgers; Assistant Professor of Public Administration and Policy
- + Yang, Kun, Ph.D., Indiana; Associate Professor of Physics
- + Yang, Wei, Ph.D., State University of New York; Assistant Professor of Chemistry and Biochemistry
- + Yang, Xiaojun, Ph.D., Georgia; Assistant Professor of Geography
- * Yang, Yanyun, Ph.D., Arizona State University; Visiting Assistant Professor of Educational Psychology and Learning Systems
- Yao, Yuanzheng, M.S.; Assistant in Oceanographic Computing Meteorology
- + Yasinsac, Alec F., Ph.D., Virginia; Associate Professor of Computer Science
- * Yasuhara, Yoshihiro, Ph.D., Pennsylvania State; Assistant Professor of Modern Languages
- Yazdanpanah, Ramin, M.S., Florida State University; Instructional Specialist, Center for Intensive English Studies
- + Ye, Ming, Ph.D., University of Arizona; Assistant Professor of Geological Sciences
- Yesil-Dagli, Ummuhan, M.S., Florida State University; Assistant in Research, Learning Systems Institute
- Yin, Jianjun, Ph.D., University of Illinois; Assistant Scholar/Scientist/Engineer
- Yokochi, Tomoki, Ph.D., University of Tokyo; Assistant in Research, Biological Sciences
- Young, Andrea C., Ph.D., Florida State University; Visiting Research Associate Academic Affairs and Distance Learning
- Young, Eutiquio, Ph.D., Maryland; Professor of Mathematics
- Young, Melissa P., M.A.; University School Instructor, Florida State University School
- + Young, Patricia Henry, M.A.; Professor of Dance
- Young, William S., B.S.; Professional Engineer Campus Design
- Young-Clarke, Iris M., M.S.; Associate in Human Sciences
- Youssef, Saul, Ph.D., Carnegie-Mellon; Scholar/Scientist/Engineer, Computational Science and Information Technology
- + Yu, Hong-Guo, Ph.D., University of Georgia; Assistant Professor of Biological Science
- Yu, Ming, Ph.D., Rutgers University; Joint College Professor of Electrical and Computer Engineering
- + Yu, Xian-Min, Ph.D., Rupert-Karl University; Associate Professor of Biomedical Sciences
- + Yuan, Xin, Ph.D., Pittsburgh; Associate Professor of Computer Science
- Yun, Choi S., Ph.D., University of California; Associate Scholar/Scientist/Engineer, Chemistry and Biochemistry
- + Zakarian, Armen, Ph.D., Florida State University; Assistant Professor of Chemistry and Biochemistry
- Zamudio-Lopez, Luis-Fernando, Ph.D., Florida State University; Research Associate, Meteorology
- Zanini Cordi, Irene, Ph.D., California at Berkeley; Assistant Professor of Modern Languages
- Zavala-Hidalgo, Jorge, Ph.D., CICESE; Visiting Research Associate, Meteorology
- Zawrotny, Michael E., Ph.D., Maryland; Assistant in Research, Institute of Molecular Biophysics
- Ziegler, Mark T., M.S.; Associate in Communication
- Zeller, Richard E., Ph.D., Ohio State; Visiting Assistant Professor of Geography
- Zemaitis-Decesare, Julie, M.D., Eastern Virginia Medical School; Assistant Professor, College of Medicine, OBGYN Residency Program
- * Zeng, Changchun, Ph.D., Ohio State University; Assistant Professor of Industrial and Manufacturing Engineering
- * Zeni, Mary Beth, Sc.D., Pittsburgh; Assistant Professor of Nursing
- Zenz, Gary Joseph, Ph.D., Wisconsin; Professor of Marketing
- Zervigon-Hakes, Anita M., Ph.D., Florida State University; Associate in Research Florida Resources and Environmental Analysis Center
- Zhai, Yuhui, Ph.D., University of Florida; Assistant Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
- + Zhang, Chun, Ph.D., Iowa; Chair of the Industrial and Manufacturing Engineering and Professor of Industrial Engineering
- Zhang, Fengli, Ph.D., Beijing Medical University; Scholar/Scientist/Engineer, National High Magnetic Field Laboratory
- + Zhang, Jinfeng, Ph.D., University of Illinois at Chicago; Assistant Professor of Statistics
- + Zhang, Mei, Ph.D., Osaka Prefecture University, Japan; Associate Professor of Industrial and Manufacturing Engineering
- Zhang, Tianyu, Ph.D., University of Minnesota; Visiting Instructor, Mathematics
- * Zhang, Zhenghao, Ph.D., SUNY at Stony Brook; Assistant Professor of Computer Science
- Zhao, Tingting, Ph.D., University of Michigan; Visiting Assistant Professor of Geography
- Zhao, Yunge, Ph.D., Chinese Academy of Science; Visiting Assistant Scholar/Scientist/Engineer, Chemistry
- + Zheng, Jian-Ping, Ph.D., E.E., State University of New York; Visiting Professor of Electrical and Computer Engineering
- Zhou, Chengfu, M.S., Ohio State University; Assistant in Research, Learning Systems Institute
- + Zhou, Huan Xiang, Ph.D., Drexel; Professor of Physics
- Zhou, Yi, Ph.D., University of Minnesota; Associate Professor of Biomedical Sciences
- + Zhu, Fanxiu, Ph.D., Wuhan University; Assistant Professor of Biological Science
- + Zhu, Lei, Ph.D., New York University; Assistant Professor of Chemistry and Biochemistry
- Zhu, Ping, Ph.D., Tsinghua University; Associate Scholar/Scientist, Biological Sciences
- Ziegler, Roy A., M.L.S.; Librarian and Associate Director, Strozier Library
- Ziegler, Ruth S., M.A.; Assistant Librarian, University Libraries
- Zierden, David F., M.S.; Assistant in Research Meteorology
- Zimanyi, Laszlo, Ph.D., Hungary University; Visiting Research Assistant, Chemistry and Biochemistry
- Zimmerman, Julia A., M.L., Emory University; Director and University Librarian, University Libraries
- Zindler, Alan, Ph.D., Massachusetts Institute of Technology; Professor of Geology
- Zinszer, Michael A., B.S.; Assistant in Criminology Panama City Campus
- Ziolkowski, Robyn, Ph.D., Florida State University; Assistant in Research, Communication Disorders
- * Zollar, Willa Jo, M.F.A.; Nancy Smith Fichter Professor of Dance 1999
- + Zou, Xiaolei, Ph.D., Institute of Atmospheric Physics; Jule Charney Professor of Meteorology
- + Zuehlke, Thomas W., Ph.D., Florida; Associate Professor of Economics
- Zwilich, Ellen T., D.M.A., Julliard; Francis Eppes Professor of Music

DISTINGUISHED RESEARCH PROFESSORS

Harper, William C., M.S., Distinguished Research Professor, 1990–1991, Professor of Studio Art (Retired)

O'Brien, James J., Ph.D., Texas A&M; Distinguished Research Professor, 1990–1991, Robert O. Lawton Distinguished Professor, 1999–2000, Professor of Meteorology and Oceanography, and Russian Academy of Natural Science

Tam, Christopher K. W., Ph.D., California Institute of Technology; Distinguished Research Professor, 1990–1991, Robert O. Lawton Distinguished Professor, 2000–2001, Professor of Mathematics and Mechanical Engineering

Loper, David E., Ph.D., Case Western Reserve University; Distinguished Research Professor, 1991–1992, George W. DeVore Professor of Geological Sciences, 1999, and Director, Geophysical Fluid Dynamics Institute

Parker, Glenn R., Ph.D., California; Distinguished Research Professor, 1991–1992, Professor of Political Science

Benson, Bruce L., Ph.D., Texas A&M; Distinguished Research Professor, 1992–1993, Professor of Economics

Graziadei, Pasquale P., M.D., Pavia, Italy; Distinguished Research Professor, 1992–1993, Professor of Biological Science (Retired)

Summers, Dewitt L., Ph.D., Cambridge; Distinguished Research Professor, 1992–1993, Robert O. Lawton Distinguished Professor, 1997–1998, and Professor of Mathematics

Kemper, Kirby W., Ph.D., Indiana; Distinguished Research Professor, 1993–1994, John David Fox Professor of Physics, 2000, and Robert O. Lawton Distinguished Professor, 2002–2003

Nam, Charles B., Ph.D., North Carolina; Distinguished Research Professor, 1993–1994, Professor of Sociology (Retired)

Turner, Ralph V., Ph.D., Johns Hopkins; Distinguished Research Professor, 1993–1994, Service Professor of History

Bryant, John L., Ph.D., Georgia; Distinguished Research Professor, 1994–1995, Professor of Mathematics

Freeman, Marc E., Ph.D., West Virginia; Distinguished Research Professor, 1994–1995, Lloyd M. Beidler Professor of Biological Science, 2000

Owens, Joseph F. III, Ph.D., Tufts; Distinguished Research Professor, 1994–1995, Chair and Guenter Schwarz Professor of Physics, 2000

Hollander, Myles, Ph.D., Stanford; Distinguished Research Professor, 1995–1996, Robert O. Lawton Distinguished Professor, 1998–1999, and Professor of Statistics

James, Frances C., Ph.D., Arkansas; Distinguished Research Professor, 1995–1996, Pasquale Graziadei Professor of Biological Science, 1999

Stern, Melvin E., Ph.D., Massachusetts Institute of Technology; Distinguished Research Professor, 1995–1996, V. W. Ekman Professor of Oceanography, and National Academy of Sciences

Pfeffer, Richard, Ph.D., Massachusetts Institute of Technology; Distinguished Research Professor, 1996–1997, Carl-Gustaf Rossby Professor of Meteorology

Torgesen, Joseph, Ph.D., Michigan; Distinguished Research Professor, 1996–1997, Robert M. Gagne Professor of Psychology and Education, 2000, and Professor of Psychology

Van Sciver, Steven W., Ph.D., Washington; Distinguished Research Professor, 1996–1997, Professor of Mechanical Engineering

Hagopian, Vasken, Ph.D., Pennsylvania; Distinguished Research Professor, 1997–1998, Joseph E. Lannutti Professor of Physics, 1999

Myles, John F., Ph.D., Wisconsin; Distinguished Research Professor, 1997–1998, Professor of Sociology

Nicholson, Sharon E., Ph.D., Wisconsin; Distinguished Research Professor, 1997–1998, Heinz and Katharina Lettau Professor of Climatology, 2002, and Professor of Meteorology

Balkwill, David L., Ph.D., Pennsylvania State; Distinguished Research Professor, 1998–1999, Professor of Biological Science

Hirsh, Barry T., Ph.D., Virginia; Distinguished Research Professor, 1998–1999, Professor of Economics

Marshall, Alan George, Ph.D., Stanford; Distinguished Research Professor, 1998–1999, Kasha Professor of Chemistry, 1999

Gontarski, Stanley E., Ph.D., Ohio State; Distinguished Research Professor, 1999–2000, Sarah Herndon Professor of English, 1999

Holton, Robert A., Ph.D., Florida State; Distinguished Research Professor, 1999–2000, Matthew Suffness Professor of Chemistry, 2002

Clarke, Allan J., Ph.D., Cambridge; Distinguished Research Professor, 2000–2001, Adrian E. Gill Professor of Oceanography, 2001

Cross, Timothy A., Ph.D., Pennsylvania; Distinguished Research Professor, 2000–2001, Earl Frieden Professor of Chemistry and Biochemistry, 2002

Olsen, Dale A., Ph.D., California at Los Angeles; Distinguished Research Professor, 2000–2001, Professor of Music

Fenstermaker, John J., Ph.D. Ohio State; Distinguished Research Professor, 2001–2002, Distinguished Teaching Professor, 2000–2001, Fred L. Standley Professor of English, 2002

Tabor, Samuel, Ph.D., Stanford; Distinguished Research Professor, 2001–2002, Professor of Physics

Taylor, Kenneth A., Ph.D. California at Berkeley; Distinguished Research Professor 2001–2002, Professor of Biological Science

Dalal, Nar S., Ph.D., British Columbia; Dirac Professor of Chemistry, 2001, Distinguished Research Professor, 2002–2003, and Chair of Chemistry

Nof, Doron, Ph.D., Wisconsin; Distinguished Research Professor, 2002–2003, and Fridtjof Nansen Professor of Oceanography, 2001

Tschinkel, Walter R., Ph.D., California at Berkeley; Distinguished Research Professor, 2002–2003, and Margaret Y. Menzel Professor of Biological Science, 1999

Berkley, Karen J., Ph.D., Washington; Distinguished Research Professor, 2003–2004, McKenzie Professor and Professor of Psychology

Perrewe, Pamela L., Ph.D., Nebraska; Distinguished Research Professor, 2003–2004, and Professor of Management

Standley, Jayne M., Ph.D., Florida State; Distinguished Research Professor, 2003–2004, and Ella Scoble Opperman Professor of Music, 2000

Brooks, James S., Ph.D., University of Oregon; Distinguished Research Professor, 2004–2005, Grace C. and William G. Moulton Professor of Physics, 2002

Chandra, Namas, Ph.D., Texas A&M; Distinguished Research Professor, 2004–2005, Krishnamurthy Karamcheti Professor of Engineering, 2000, and of Mechanical Engineering

Roux, Kenneth H., Ph.D., Tulane University; Distinguished Research Professor, 2004–2005, Professor of Biological Science

Chanton, Jeffrey Paul, Ph.D., 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., Ph.D., Virginia; Distinguished Research Professor, 2005–2006, Richard L. Rubenstein Professor of Religion, 2000, and Chair of Religion

Von Molnar, Stephan, Ph.D., 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., Ph.D., Yale; Distinguished Research Professor, 2005–2006, Alfred Binet Professor of Psychology, 1999

Joiner, Thomas E., Jr., Ph.D., Texas at Austin; Distinguished Research Professor, 2006–2007, Bright-Burton Professor of Psychology

Riley, Mark A., Ph.D., Liverpool; Distinguished Research Professor, 2006–2007, Raymond K. Sheline Professor of Physics, 2001

Sathe, Shridhar K., Ph.D., 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

DISTINGUISHED TEACHING PROFESSORS

Clark, Ronald J., Ph.D., Kansas; Distinguished Teaching Professor, 1989–1990, Professor of Chemistry

Hofer, Kurt G., Ph.D., Vienna; Distinguished Teaching Professor, 1989–1990, Robert O. Lawton Distinguished Professor, 1994–1995, Professor of Biological Science

Howard, Donald D., Ph.D., Minnesota; Distinguished Teaching Professor, 1989–1990, Eminent Scholar and Professor of History

Madsen, Clifford K., Ph.D., Florida State; Distinguished Teaching Professor, 1989–1990, Alumni Professor, 1985–1988, Robert O. Lawton Distinguished Professor, 1988–1989, Professor of Music

Mellon, Edward K., Ph.D., Texas; Distinguished Teaching Professor, 1989–1990, Chair and Professor of Chemistry (Retired)

Jones, James P., Ph.D., Florida; Distinguished Teaching Professor, 1990–1991, Professor of History

Lhamon, W. T., Jr., Ph.D., Indiana; Distinguished Teaching Professor, 1990–1991, George M. Harper Professor of English, 2000

Rashotte, Michael E., Ph.D., Toronto; Distinguished Teaching Professor, 1990–1991, Professor of Psychology

Rogers, William W., Ph.D., North Carolina; Distinguished Teaching Professor, 1990–1991, Professor of History (Retired)

Sandon, Leo, Ph.D., Boston; Distinguished Teaching Professor, 1990–1991, Chair and Professor of Religion, and Director, Program in American Studies

Burroway, Janet G., M.A., Distinguished Teaching Professor, 1991–1992, Service Professor of English, Robert O. Lawton Distinguished Professor, 1995–96, and McKenzie Professor, 1986

Levenson, David B., Ph.D., Harvard; Distinguished Teaching Professor, 1992–1993, Associate Professor of Religion

Smith, James C., Ph.D., Florida State; Distinguished Teaching Professor, 1993–1994, Professor of Psychology, Robert O. Lawton Distinguished Professor, 1992–1993

Leach, Stephen P., Ph.D., Florida State; Distinguished Teaching Professor, 1994–1995, Assistant Scholar/Scientist of Computer Science

Walker, Eric C., Ph.D., North Carolina at Chapel Hill; Distinguished Teaching Professor, 1995–1996, Associate Professor of English

Darling, Carol A., Ph.D., Michigan State; Distinguished Teaching Professor, 1996–1997, Professor of Family and Child Sciences, and Margaret Rector Sandels Professor of Human Sciences, 1999

Goldsby, Kenneth A., Ph.D., North Carolina; Distinguished Teaching Professor, 1997–1998, Associate Professor of Chemistry

Moore, Dennis D., Ph.D., North Carolina; Distinguished Teaching Professor, 1998–1999, Associate Professor of English

Reiser, Robert A., Ph.D., Arizona State; Distinguished Teaching Professor, 1999–2000, Professor of Educational Research

Fenstermaker, John J., Ph.D., Ohio State; Distinguished Teaching Professor, 2000 – 2001, Distinguished Research Professor, 2001 – 2002, Fred L. Standley Professor of English, 2002

Sathe, Shridhar, Ph.D., 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, M.S., Florida State; Distinguished Teaching Professor, 2003–2004, and Associate In Mathematics

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., Ph.D., Johns Hopkins; Distinguished Teaching Professor, 2006–2007, Robert O. Lawton Distinguished Professor, 2003–2004, McKenzie Professor, 1989, Professor of English

Christiansen, William A., Ph.D., Utah; Distinguished Teaching Professor, 2007–2008, Chair and Associate Professor of Finance

McKENZIE PROFESSORS

Berkley, Karen J., Ph.D., Washington; Distinguished Research Professor, 2003–2004, McKenzie Professor 1989, Professor of Psychology

Burroway, Janet G., M.A., McKenzie Professor 1986, Service Professor of English

Dye, Thomas R., Ph.D., Pennsylvania; McKenzie Professor 1986, Service Professor of Political Science

Hintikka, Jaako, Ph.D., Helsinki, Finland; McKenzie Professor 1986–1990, Professor of Philosophy (Retired)

Howard, Louis N., Ph.D., Princeton; McKenzie Professor 1986, Professor of Mathematics (Retired)

Hunter, Christopher, Ph.D., Cambridge; McKenzie Professor 1991, Chair and Professor of Mathematics

Kirby, David K., Ph.D., Johns Hopkins; Robert O. Lawton Distinguished Professor, 2003–2004, Professor of English, McKenzie Professor, 1989

Winstead, William O., M.M., McKenzie Professor 1986–1988, Professor of Music (Resigned)

DAISY PARKER FLORY ALUMNI PROFESSORS

Madsen, Clifford K., Ph.D., Florida State; Alumni Professor 1985–1988, Distinguished Professor 1988–1989, Distinguished Teaching Professor, 1989–1990, Professor of Music
Martin, Patricia Y., Ph.D., Florida State; Alumni Professor 1989, Professor of Sociology
Standley, Fred L., Ph.D., Northwestern; Alumni Professor 1985, Professor of English

THE PRESIDENT AND THE PROVOST'S NAMED PROFESSORSHIP PROGRAM

Anderson, Thomas L., Ph.D., Georgia; Jessie Lovano-Kerr Professor of Art Education, 2003
Baer, Howard A., Ph.D., Wisconsin; J. Daniel Kimel Professor of Physics, 2002
Beckham, Joseph C., J.D., Ph.D., Florida; Allan Tucker Professor of Educational Policy Studies and Leadership, 2000, Professor of Educational Leadership
Berry, William D., Ph.D., Minnesota; Marian D. Irish Professor of Political Science, 1999
Bickley, R. Bruce, Jr., Ph.D., Duke; Griffith T. Pugh Professor of English, 2002
Bishop, Wendy, Ph.D., Indiana of Pennsylvania; Kellogg W. Hunt Professor of English, 2000
Blomberg, Thomas G., D.Crim., Berkeley; Sheldon L. Messenger Professor of Criminology, 2001
Boehrer, Bruce T., Ph.D., Pennsylvania; Bertram H. Davis Professor of English, 2001
Bowers, Philip L., Ph.D., 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
Brooks, James S., Ph.D., Oregon; Grace C. and Willian G. Moulton Professor of Physics, 2002
Bryant, John L., Ph.D., Georgia; Distinguished Research Professor, 1994–1995, Orville G. Harrold Professor of Mathematics, 2000
Burnett, William C., Ph.D., Hawaii; Carl Henry Oppenheimer Professor of Oceanography, 2002
Case, Bettye Anne, Ph.D., Alabama; Olga Larson Professor of Mathematics, 2003
Chandra, Namas, Ph.D., Texas A&M; Krishnamurty Karamcheti Professor of Engineering, 2000, and Professor of Mechanical Engineering
Chanton, Jeffrey P., Ph.D., North Carolina; John Widmer Winchester Professor of Oceanography, 2002, and Professor of Oceanography and Geological Sciences
Clarke, Allan J., Ph.D., Cambridge; Distinguished Research Professor, 2000–2001, Adrian E. Gill Professor of Oceanography, 2001
Cloonan, William J., Ph.D., North Carolina at Chapel Hill; Richard L. Chapple Professor of Modern Languages and Linguistics, 1999
Coats, Pamela K., Ph.D., Nebraska at Lincoln; Robert C. Earnest Professor of Finance, 2002
Collins, Emmanuel, Ph.D., Purdue; Associate Chair and John H. Seely Professor of Mechanical Engineering, 2003
Connerly, Charles E., Ph.D., Michigan; William G. and Budd Bell Professor of Urban and Regional Planning, 2002, and Chair of Urban and Regional Planning
Contreras, Robert J., Ph.D., Michigan State; James C. Smith Professor of Psychology, 2002, and Director of Neuroscience
Corrigan, John A., Ph.D., Chicago; Edwin S. Gaustad Professor of Religion, 2000
Cross, Timothy A., Ph.D., Pennsylvania; Distinguished Research Professor, 2000–2001, Earl Frieden Professor of Chemistry and Biochemistry, 2002
Dagotto, Elbio R., Ph.D., Instituto Balseiro; Edward A. Desloge Professor of Physics, 2001, and Scholar/Scientist, School of Computational Science and Information Technology
Dalal, Nar S., Ph.D., British Columbia; Dirac Professor of Chemistry, 2001, Distinguished Research Professor, 2002–2003, and Chair of Chemistry
Darling, Carol A., Ph.D., 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, Ph.D., Florida State; Irvin Cooper Professor of Music, 2003
Davis, Lynda J., M.F.A., Nellie-Bond Dickinson Professor of Dance, 2003
de Grummond, Nancy T., Ph.D., North Carolina; M. Lynette Thompson Professor of Classics, 1999

Delp, Roy E., M.M., Walter S. James Professor of Voice, 2001, Professor of Music
Dewar, William K., Ph.D., Massachusetts Institute of Technology; Pierre Welander Professor of Oceanography, 2001, and Faculty Associate, School of Computational Science and Information Technology
Dorsey, John, Ph.D., Cincinnati; Katherine Blood Hoffman Professor of Chemistry, 2000
Dresang, Eliza T., Ph.D., University of Wisconsin-Madison; Eliza Atkins Gleason Professor of Information Studies, 2003
Driscoll, Marcy P., Ph.D., Massachusetts; Leslie J. Briggs Professor of Educational Research, 2002, and Chair of Educational Psychology and Learning Systems
Eberstein, Isaac Warren, Ph.D., 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, Ph.D., Rhode Island; Michael J. Greenberg Professor of Biological Sciences, 2001, and Director, Institute of Molecular Biophysics
Falk, Dean, Ph.D., Michigan; Hale G. Smith Professor of Anthropology, 2003, Chair and Professor of Anthropology
Fenstermaker, John J., Ph.D., Ohio State; Distinguished Teaching Professor, 2000–2001, Distinguished Research Professor 2001–2002, Fred L. Standley Professor of English, 2002
Fernandez, Roberto G., Ph.D., Florida State; Dorothy Lois Breen Hoffman Professor of Modern Languages and Linguistics, 2001
Fiorito, Jack T., Ph.D., Illinois; J. Frank Dame Professor of Management, 1999
Fisk, Zachary, Ph.D., California at San Diego; Paul A.M. Dirac Professor of Physics, 1999, National Academy of Sciences
Freeman, Marc, Ph.D., West Virginia; Distinguished Research Professor, 1994–1995, Lloyd M. Beidler Professor of Biological Science, 2000
Gellately, Robert J., Ph.D., London; Earl Ray Beck Professor of History
Geringer, John M., Ph.D., Florida State; Lewis V. Panbaskie Professor of Music, 2001, and Director, Center for Music Research
Goldsmith, Ronald E., Ph.D., Alabama; Richard M. Baker Professor of Marketing, 2001
Goldstein, Howard, Ph.D., Vanderbilt; Donald M. Baer Professor of Communication Sciences and Disorders, 2003, Professor of Communication Disorders
Gontarski, Stanley E., Ph.D., Ohio State; Distinguished Research Professor, 1999–2000, Sarah Herndon Professor of English, 1999
Hagopian, Vasken, Ph.D., Pennsylvania; Distinguished Research Professor, 1997–1998, Joseph E. Lannutti Professor of Physics, 1999
Hahn, Cynthia, Ph.D., Johns Hopkins; Gulnar K. Bosch Professor of Art History, 2000
Hardy, Melissa, Ph.D., Indiana; Raymond F. Bellamy Professor of Sociology, 2000, and Program Director, Pepper Institute on Aging
Hawkins, Hunt, Ph.D., Stanford; James M. McCrimmon Professor of English, 2003, Professor and Chair of English
Haymes, Emily M., Ph.D., Pennsylvania State; C. Etta Walters Professor of Exercise Science, 2000, and Professor of Nutrition, Food, and Exercise Sciences
Heald, Gary R., Ph.D., Michigan State; Theodore Clevenger, Jr. Professor of Communication, 2001, and Associate Dean of Communication
Herrnkind, William F., Ph.D., Miami; Robert K. Godfrey Professor of Biological Science, 2000
Hirsch, Adam J., Ph.D., J.D., Yale; David M. Hoffman Professor of Law, 2002
Holton, Robert A., Ph.D., Florida State; Distinguished Research Professor, 1999–2000, and Matthew Suffness Professor of Chemistry, 2000
James, Frances C., Ph.D., Arkansas; Pasquale Graziadei Professor of Biological Science, 1999, Distinguished Research Professor, 1995–1996
Joiner, Thomas, Ph.D., Texas at Austin; Bright-Burton Professor of Psychology, 2000
Jumonville, Neil T., Ph.D., Harvard; William Warren Rogers Professor of History, 1999
Kacmar, K. Michele, Ph.D., Texas A&M; Charles A. Rovetta Professor of Management, 2000
Kelsay, John, Ph.D., Virginia; Richard L. Rubenstein Professor of Religion, 2000, and Chair of Religion
Kemper, Kirby, Ph.D., Indiana; Distinguished Research Professor, 1993–1994, Robert O. Lawton Distinguished Professor, 2002–2003, John David Fox Professor of Physics, 2000, 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
Kraft, Marie E., Ph.D., Virginia Polytechnic Institute; Martin A. Schwartz Professor of Chemistry and Biochemistry, 2002
Krishnamurti, Ruby E., Ph.D., California at Los Angeles; J. Stewart Turner Professor of Oceanography, 2003, Professor of Oceanography, and Research Associate, Geophysical Fluid Dynamics Institute
Kroto, Harold W., Ph.D., University of Sheffield; Francis Eppes Professor of Chemistry, 2004, and Nobel Laureate in Chemistry, 1996
Lang, Alan R., Ph.D., Wisconsin; R. Robert Browning Professor of Psychology, 2001
Lhamon, William T., Ph.D., Indiana; Distinguished Teaching Professor, 1990–1991, George M. Harper Professor of English, 2000
Loper, David E., Ph.D., Case Western Reserve; Distinguished Research Professor, 1991–1992, George W. DeVore Professor of Geological Sciences, 1999, and Director, Geophysical Fluid Dynamics Institute
MacPherson, David A., Ph.D., Pennsylvania; Abba Lerner Professor of Economics, 1999
Manousakis, Efstratios, Ph.D., Illinois at Urbana-Champaign; Donald Robson Professor of Physics, 2003, Professor of Physics, and Scholar/Scientist, Computational Science and Information Technology
Marcus, Nancy H., Ph.D., Yale; Robert O. Lawton Distinguished Professor, 2001–2002, Mary Sears Professor of Oceanography
Marshall, Alan G., Ph.D., Stanford; Distinguished Research Professor, 1998–1999, Kasha Professor of Chemistry, 1999
McElrath, Joseph R., Ph.D., South Carolina; William Hudson Rogers Professor of English, 1999
McKeague, Ian, Ph.D., North Carolina; Ralph A. Bradley Professor of Statistics, 2000
McNeece, C. Aaron, Ph.D., Michigan; Walter W. Hudson Professor of Social Work, 2000
Moffatt, Robert J., Ph.D., Michigan; Georgia Alice Stamford Professor of Exercise Science, 2000, and Chair of Nutrition, Food, and Exercise Sciences
Muscha, Colleen L., M.F.A., Don Stowell, Jr. Professor of Theatre
Nicholson, Sharon E., Ph.D., Wisconsin; Distinguished Research Professor, 1997–1998, Heinz and Katharina Lettau Professor of Climatology, 2001, and Professor of Meteorology
Nof, Doron, Ph.D., Wisconsin; Distinguished Research Professor, 2002–2003, and Fridtjof Nansen Professor of Oceanography, 2001
Ohlsson, Eric P., B.M.Ed., Ohio State; Charles O. DeLaney Professor of Music, 2003
Ortiz-Taylor, Sheila, Ph.D., California at Los Angeles; Francis G. Townsend Professor of English, 2000
Outlaw, William H., Jr., Ph.D., Georgia; Peter H. Homann Professor of Biological Science, 2001
Owens, Joseph, Ph.D., Tufts; Distinguished Research Professor, 1994–1995, Guenter Schwarz Professor of Physics, 2000
Peters, Michael, Ph.D., Ohio State; Elvin J. Dantin Professor of Engineering, 2000, and Chair of Chemical Engineering
Pfeffer, Richard L., Ph.D., Massachusetts Institute of Technology; Distinguished Research Professor, 1996–1997, Carl-Gustaf Rossby Professor of Meteorology, 1999
Pietralunga, Mark F., California at Berkeley; Victor Oelschlagler Professor of Modern Languages, 2000, and Chair of Modern Languages and Linguistics
Pohl, Mary E., Ph.D., Harvard University; Laura Jepsen Professor of Anthropology, 2003
Porterfield, Amanda, Ph.D., 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
Quine, John R., Ph.D., Michigan; Charles W. McArthur Professor of Mathematics, 2002
Rasmussen, David, Ph.D., Washington; James H. Gapinski Professor of Economics, 2000, Director, DeVoe L. Moore and Family Center for Critical Issues
Reiser, Robert A., Ph.D., Arizona State University; Professor of Educational Research, Distinguished Teaching Professor, 1999–2000, Robert M. Morgan Professor of Instructional Systems, 2003
Rikvold, Per Arne, Ph.D., Temple University; James Gust Skofronick Professor of Physics, 2003, Professor of Physics and Scholar/Scientist, School of Computational and Information Technology
Riley, Mark, Ph.D., Liverpool; Raymond K. Sheline Professor of Physics, 2000

Roberts, Thomas M., Ph.D., Notre Dame; Robert B. Short Professor of Biological Science, 2002, and Chair of Biological Science

Ruhl, John B., LL.M., George Washington; J.D., Virginia; Joseph Story Professor of Law, 2001

Sathe, Shridhar, Ph.D., Utah State; Distinguished Teaching Professor, 2002–2003, D.K. Salunkhe Professor of Food Science, 2001, and Professor of Nutrition, Food and Exercise Sciences

Schlenoff, Joseph, Ph.D., University of Massachusetts, Amherst; Leo Mandelkern Professor of Polymer Science, 2003, Professor of Chemistry and Biochemistry

Seaton, S. Douglass, Ph.D., Columbia; Warren D. Allen Professor of Music, 2002

Standley, Jayne, Ph.D., Florida State; Distinguished Research Professor, 2003–2004, and Ella Scoble Opperman Professor of Music, 2000

Stephan, Friedrich, Ph.D., California at Berkeley; Curt P. Richter Professor of Psychology and Neuroscience, 2000

Stern, Melvin E., Ph.D., Massachusetts Institute of Technology; Distinguished Research Professor, 1995–1996, National Academy of Sciences, V.W. Ekman Professor of Oceanography, 1999

Tabor, Samuel L., Ph.D., Stanford University; Distinguished Research Professor, 2001–2002; Norman P. Heydenburg Professor of Physics, 2003, Professor of Physics

Tatum, W. Jeffrey, Ph.D., Texas; Olivia Nelson Dorman Professor of Classics, 2000, Chair of Classics

Thomas Andre, D.M.A., Illinois; Owen F. Sellers Professor of Music, 1999

Torgesen, Joseph, Ph.D., Michigan; 1996–1997, Robert M. Gagne Professor of Psychology and Education, 2000 Distinguished Research Professor

Tschinkel, Walter R., Ph.D., California at Berkeley; Distinguished Research Professor, 2002–2003, and Margaret Y. Menzel Professor of Biological Science, 1999

Turner, Robert J., Ph.D., Syracuse; Marie E. Cowart Professor of Epidemiology and Sociology, 2004, Professor of Sociology

Von Molnar, Stephan, Ph.D., California at Riverside; Robert A. Kromhout Professor of Physics, 2001, and Director, Center for Materials Research and Technology

Wagner, Richard K., Ph.D., Yale; Alfred Binet Professor of Psychology, 1999

Wang, Hsu-Pin (Ben), Ph.D., Pennsylvania State; Simon Ostrach Professor of Engineering, 2000, and Chair of Industrial Engineering

Wetherby, Amy, Ph.D., California at Santa Barbara; Laurel L. Schendel Professor of Communication Disorders, 2000

Whalley, David, Ph.D., Virginia; E.P. Miles Professor of Computer Science, 2003

Winegardner, Mark D., M.F.A., Janet G. Burroway Professor of English, 2001

Wise, Sherwood W., Ph.D., Illinois; Lyman D. Toulmin Professor of Geological Sciences, 2001

Young, Marilyn, Ph.D., Pittsburgh; Wayne C. Minnick Professor of Communication, 2000

Zollar, Jawole Willa Jo, M.F.A., Nancy Smith Fichter Professor of Dance, 1999

Zou, Xiaolei, Ph.D., Institute of Atmospheric Physics; Jule Charney Professor of Meteorology, 2003

Sheline, Raymond K., Ph.D., California at Berkeley; Distinguished Professor 1966–1967, Professor of Chemistry and Physics, and Royal Danish Academy of Science and Letters (Retired)

Choppin, Gregory R., Ph.D., Texas; Sc.D., Loyola; Distinguished Professor 1967–1968, Professor of Chemistry

Nichols, Eugene D., Ph.D., Illinois; Distinguished Professor 1968–1969, Professor and Head of Mathematics Education (Retired)

Frieden, Earl, Ph.D., Southern California; Distinguished Professor 1969–1970, Professor of Chemistry (Retired)

Bradley, Ralph Allan, Ph.D., North Carolina; Distinguished Professor 1970–1971, Professor and Head of Statistics (Deceased 10/30/01)

Beidler, Lloyd Mumbauer, Ph.D., Johns Hopkins; Distinguished Professor 1971–1972, Professor of Biological Science (Retired)

Hunt, Kellogg Wesley, Ph.D., Iowa; Distinguished Professor 1972–1973, Professor of English (Deceased 11/4/98)

Savage, I. Richard, Ph.D., Columbia; Distinguished Professor 1973–1974, Professor of Statistics (Resigned)

Kenshalo, Daniel Ralph, Ph.D., Washington; Distinguished Professor 1974–1975, Professor of Psychology (Retired)

Fallon, Richard Gordon, M.A., Distinguished Professor 1975–1976, Professor and Dean, School of Theatre (Retired)

Nikolaïdi, Elena, Distinguished Professor 1976–1977, Professor of Music (Deceased 11/14/02)

Rubenstein, Richard Lowell, Ph.D., Harvard; Distinguished Professor 1977–1978, Professor of Religion (Retired)

Hess, Seymour L., Ph.D., Chicago; Distinguished Professor 1978–1979, Professor of Meteorology (Deceased 1/15/82)

Harper, George M., Ph.D., North Carolina; Distinguished Professor 1979–1980, Professor of English (Retired)

Walborsky, Harry M., Ph.D., Ohio State; Distinguished Professor 1980–1981, Professor of Chemistry (Deceased 10/15/02)

Gilmer, Robert, Ph.D., Louisiana State; Distinguished Professor 1981–1982, Professor of Mathematics

Gagne, Robert M., Ph.D., Brown; Distinguished Professor 1982–1983, Professor of Research, Development, and Foundations (Retired)

Taylor, J. Herbert, Ph.D., Virginia; Distinguished Professor 1983–1984, Professor of Biological Sciences, and Program Director, Institute of Molecular Biophysics (Deceased 12/29/98)

Mandelkern, Leo, Ph.D., Cornell; Distinguished Professor 1984–1985, Professor of Chemistry (Retired)

Proschan, Frank, Ph.D., Stanford; Distinguished Professor 1984–1985, Professor of Statistics (Retired)

Krishnamurti, Tiruvalam N., Ph.D., Chicago; Distinguished Professor 1985–1986, Professor of Meteorology

Simberloff, Daniel, Ph.D., Harvard; Distinguished Professor 1986–1987, Professor of Biological Science (Resigned)

Herz, Werner, Ph.D., Colorado; Distinguished Professor 1987–1988, Robert O. Lawton Professor of Chemistry (Retired)

Madsen, Clifford K., Ph.D., Florida State; Distinguished Professor 1988–1989, Alumni Professor 1985–1988, Distinguished Teaching Professor 1989–1990, Professor of Music

Greaves, Richard L., Ph.D., London; Distinguished Professor 1989–1990, Professor of History

Robson, Donald, Ph.D., Melbourne, Australia; Distinguished Professor 1990–1991, Professor of Physics, and Scientist/Scholar, School of Computational Science and Information Technology

Fichter, Nancy Smith, Ph.D., Texas Woman's University; Distinguished Professor 1991–1992, Chair and Professor of Dance (Retired)

Friedmann, E. Imre, Ph.D., Vienna; Distinguished Professor 1991–1992, Professor of Biological Science (Retired)

Smith, James C., Ph.D., Florida State; Distinguished Professor 1992–1993, Distinguished Teaching Professor 1993–1994, Professor of Psychology

Sethuraman, Jayaram, Ph.D., Indian Statistical Institute; Distinguished Professor 1993–1994, Professor of Statistics

Hofer, Kurt G., Ph.D., Vienna; Distinguished Professor 1994–1995, Distinguished Teaching Professor 1989–1990, Professor of Biological Science

Burroway, Janet G., M.A., Distinguished Professor 1995–1996, McKenzie Professor, Service Professor of English

Travis, Joseph, Ph.D., Duke; Distinguished Professor 1996–1997, Professor of Biological Science

Sumners, Dewitt L., Ph.D., Cambridge; Distinguished Research Professor, 1992–1993, Distinguished Professor 1997–1998, and Professor of Mathematics

Hollander, Myles, Ph.D., Stanford; Distinguished Professor, 1998–1999, Distinguished Research Professor, 1995–1996, Professor of Statistics

O'Brien, James J., Ph.D., Texas A&M; Distinguished Professor, 1999–2000, Distinguished Research Professor, 1990–1991, Professor of Meteorology and Oceanography, and Russian Academy of Natural Science

Tam, Christopher K. W., Ph.D., 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

Marcus, Nancy H., Ph.D., Yale; Distinguished Professor, 2001–2002, Mary Sears Professor of Oceanography, 2000, and Director, Program for Women in Math, Science, and Engineering

Kemper, Kirby W., Ph.D., Indiana; Distinguished Professor, 2002–2003, Chair and Professor of Physics, and John David Fox Professor of Physics, Distinguished Research Professor, 1993–1994

Kirby, David K., Ph.D., Johns Hopkins; Distinguished Professor, 2003–2004, Professor of English, McKenzie Professor, 1989

Standley, Jayne M., Ph.D., Florida State; Distinguished Professor, 2005–2006, Distinguished Research Professor, 2003–2004, and Ella Scoble Opperman Professor of Music, 2000

Marshall, Alan George, Ph.D., Stanford; Distinguished Research Professor, 1998–1999, Kasha Professor of Chemistry 2000

Tschinkel, Walter R., Ph.D., California at Berkeley; Distinguished Research Professor 2002–2003 and Margaret Y. Menzel Professor of Biological Science 1999

Gontarski, Stanley E., Ph.D., Ohio State; Sarah Herndon Professor of English 1999; Distinguished Research Professor 1999–2000

NATIONAL ACADEMY OF SCIENCES FLORIDA STATE UNIVERSITY MEMBERS

Beidler, Lloyd, Ph.D., Johns Hopkins; Distinguished Professor 1971–1972, Professor of Biological Science (Retired)

Caspar, Donald L., Ph.D., Yale; Professor of Biological Science

Fisk, Zachary, Ph.D., California at San Diego, Paul A.M. Dirac Professor of Physics, 1999

Gor'kov, Lev P., Dr.Sc., Ioffe Physical Technical Institute; Leningrad; Professor of Physics, and Program Director, National High Magnetic Field Laboratory

Howard, Louis, Ph.D., Princeton; McKenzie Professor 1986, Professor of Mathematics (Retired)

Kasha, Michael, Ph.D., California at Berkeley; Distinguished Professor 1962–1963, Professor of Chemistry/Institute of Molecular Biophysics (Retired)

Schrieffer, John R., Ph.D., Illinois; Nobel Laureate in Physics, 1972; Professor of Physics, National High Magnetic Field Laboratory

Stern, Melvin E., Ph.D., Massachusetts Institute of Technology; Distinguished Research Professor, 1995–1996, V.W. Ekman Professor of Oceanography, 1999

Taylor, J. Herbert, Ph.D., Robert O. Lawton Distinguished Professor 1983–1984, Service Professor of Biological Science (Deceased 12/29/98)

FOREIGN ACADEMIES FLORIDA STATE UNIVERSITY MEMBERS

Boyd, Monica, Ph.D., Duke; Mildred and Claude Pepper Distinguished Professor of Sociology, and Royal Society of Canada

O'Brien, James J., Ph.D., 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

Sheline, Raymond K., Ph.D., 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

Kroto, Harold W., Ph.D., University of Sheffield; Francis Eppes Professor of Chemistry, Nobel Laureate in Chemistry, 1996

THE ROBERT O. LAWTON DISTINGUISHED PROFESSORS

Rogers, William Hudson, Ph.D., Virginia; Distinguished Professor 1957–1958, Professor of English, (Deceased 7/11/75)

Irish, Marian Doris, Ph.D., Yale; Distinguished Professor 1958–1959, Professor and Chair of Political Science (Deceased 11/11/01)

Liddell, Anna Forbes, Ph.D., North Carolina; Distinguished Professor 1959–1960, Professor of Philosophy (Deceased 8/30/79)

Grunwald, Ernest Max, Ph.D., California; Distinguished Professor 1960–1961, Professor of Chemistry (Resigned)

Housewright, Wiley Lee, Ed.D., New York; Distinguished Professor 1961–1962, Professor and Dean, School of Music (Retired)

Kasha, Michael, Ph.D., California; Distinguished Professor 1962–1963, Professor of Chemistry and Director, Institute of Molecular Biophysics (Retired)

Hoffman, Dorothy Lois Breen, Ph.D., Illinois; Distinguished Professor 1963–1964, Professor of Modern Languages and Linguistics (Deceased 3/7/85)

Floyd, Carlisle, Jr., M.M., Distinguished Professor 1964–1965, Professor of Music (Resigned)

Watts, Betty Monaghan, Ph.D., Washington, St. Louis; Distinguished Professor 1965–1966, Professor of Food and Nutrition (Retired)

Retired Faculty

* Professor Emeritus

+ Distinguished Professor Emeritus

- * **Aaron, Shirley**, (1975-1994), Ph.D., Professor of Information Studies
- * **Abcarian, Gilbert**, (1967-1992), Ph.D., Professor of Political Science
- * **Adamovich, Ljubisa S.**, (1986-2007), Ph.D., Scholar/Scientist/Engineer Dean's Office, College of Social Sciences
- * **Adams, Jane L.**, (1946-1966), M.A., Assistant Professor and Night Director, University Union
- * **Adams, Rebecca** (1975-2006), M.A., Associate University Librarian
- * **Albertson, Robert W.**, (1955-1998), University School Associate Professor, Developmental Research School
- * **Albrecht, Grace**, (1950-1973), M.C.S., Research Associate and Assistant to the Vice President for Academic Affairs
- * **Albright, John R.**, (1963-1995), Ph.D., Professor of Physics
- * **Alderman, Nelda Cumming**, (1952-1976), M.S., Assistant Professor, Developmental Research School
- * **Alderson, John J.**, (1968-1992), M.S.W., Professor of Social Work
- * **Alexander, Lucille C.**, (1981-1995), B.S., Assistant in Nursing, School of Nursing
- * **Alexander, Mary M.**, (1990-2007), Ph.D., Associate in Childhood Education, Reading and Disability Services
- * **Alford, Attie America**, (1947-1968), M.A., Assistant Professor and Assistant Librarian, Library
- * **Allaire, Joseph L.**, (1967-2003), Ph.D., Associate Professor of Modern Languages and Linguistics
- * **Allbritton, Carol H.**, (1966-1968, 1969-1989), B.S., University School Instructor, Developmental Research School
- * **Allen, Ruby**, (1978-1999), Ph.D., Professor of Theatre and Assistant Program Director, Asolo State Theatre
- * **Almarode, Richard**, (1962-1994), M.S., Associate Professor of Hospitality
- * **Altholz, Judith**, (1993-2003), Ph.D., Assistant Professor of Social Work
- * **Anderson, Lorán C.**, (1974-2003), Ph.D., Professor of Biological Science and Curator
- * **Anthony, William P.**, (1970-2005), Ph.D., Professor of Management
- * **Armer, Michael J.**, (1979-2005), Ph.D., Professor of Sociology
- * **Armstrong, W. Earl**, (1964-1969), Ed.D., Professor of Higher Education
- * **Atkins, Burton** (1971-2006), Ph.D., Assistant Professor, Political Science
- * **Auer, Emma**, (1969-1976), Professor of Marketing
- * **Avery, Carol E.**, (1979-1995), Ph.D., Chair and Professor of Textiles and Consumer Science
- * **Baker, Doris C.**, (1974-2005), M.S.L.S., Assistant Librarian, Strozier
- * **Baker, Howard D.**, (1950-1991), Ph.D., Professor of Psychology
- + **Baker, Mae-Louise**, (1979-1996), M.A., M.S., Associate Professor of Theatre
- * **Baker, Richard M., Jr.**, (1950-1969), Ph.D., Professor of Marketing
- * **Baker, Stuart**, (1977-2004), Ph.D., Professor, Theatre
- * **Ballard, Lois Schnoor**, (1948-1964), M.M., Associate Professor of Music
- * **Ballas, Parascho P.**, (1978-1979), M.S., Lecturer/Field Representative, Hospitality Education Program, College of Business
- * **Balser, Benedict S.**, (1993-2002), Ed.S., Coordinator, Academic Services, Education
- * **Banghart, Frank W.**, (1965-1991), Ed.D., Professor of Educational Leadership
- * **Barber, Donna M.**, (2001-2002), M.S., Associate in Research, Institute for Science and Public Affairs
- * **Barbour-Brennan, Paula L.**, (1975-2005), Ph.D., Assistant in English
- * **Barclon, Albert I.**, (1968-2004), Ph.D., Professor of Meteorology
- * **Bardill, Donald R.**, (1978-2003), Ph.D., Professor of Social Work
- * **Barnes, Ailene Barger Thompson**, (1954-1957), M.A., Assistant Professor of English
- * **Barnes, Lehman W.**, (1970-1991), Ph.D., Associate Professor of Childhood Education
- * **Bartlett, Richard A.**, (1955-1989), Ph.D., Professor of History
- * **Bass, Edwin J.**, (1969-2002), Ed.D., Associate Professor of Physical Education
- * **Bassin, Alexander**, (1968-1995), Ph.D., Professor of Criminology and Criminal Justice
- * **Beard, Jacob G.**, (1966-1997), Ph.D., Professor of Educational Research
- * **Beard, Robert W.**, (1960-1998), Ph.D., Professor of Philosophy
- * **Bedi, Hardip S.**, (1986-1998), Ph.D., Research Associate, Meteorology
- * **Beeman, Daniel E.**, (2001-2006), Ph.D., Associate in Florida Institute of Government
- * **Bell, Trevor**, (1972-1996), National Diploma in Painting, Service Professor of Studio Art
- * **Bender, Louis W.**, (1970-1991), Ed.D., Professor of Educational Leadership
- * **Bergquist, Gilbert**, (1993-2005), Ph.D., Assistant in Florida Center for Public Management
- * **Betten, Neil B.**, (1970-2005), Ph.D., Professor of History
- * **Biance, Michael C.**, (1997-2005), Ed.D., Associate in Educational Leadership and Policy Studies
- * **Bickley, R. Bruce**, (1969-2004), Ph.D., Griffith T. Pugh Professor of English, College of Arts & Sciences
- * **Bjerregaard, Carl E.**, (1976-1993), M.M., Professor of Music
- * **Black, Homer A.**, (1958-1989), C.P.A., Ph.D., Professor of Accounting
- * **Black, Sarah Anne**, (1960-1985), M.Ed., University School Associate Professor, Developmental Research School
- * **Blake, Garth K.**, (1957-1996), Ed.D., Service Professor of Educational Leadership
- * **Bland, Larson M.**, (1982-1998), Ed.D., Academic Administrator and Dean Emeritus, Panama City Branch Campus
- * **Blazek, Ronald D.**, (1971-2003), Ph.D., Professor of Information Studies
- * **Blumsack, Steven L.**, (1969-2005), Ph.D., Associate Professor of Mathematics
- * **Bock, John C.**, (1983-1998), Ph.D., Professor of Educational Foundations and Policy Studies, and Director, Center for International Studies, Learning Systems Institute
- * **Bocz, George**, (1970-2004), M.Ed., Associate Professor of Art
- * **Bolick, Mildred Irene**, (1936-1965), Ph.D., Professor of Zoology and Biological Science
- * **Bolin, Calvin E.**, (1961-1983), M.Ed., University School Associate Professor, Developmental Research School
- * **Boroto, Daniel R.**, (1972-2007), Ph.D., Associate Professor of Psychology
- * **Bourgeois, Louis C., III**, (1964-1993), Ph.D., Associate Professor of Modern Languages and Linguistics
- * **Braendlin, Hans Peter**, (1968-1994), Ph.D., Associate Professor of Modern Languages and Linguistics
- * **Brahney, James P.**, (1968-1974), Ph.D., Assistant Professor of Professional and Clinical Programs
- * **Brandt, Bruce L.**, (1992-2007), Ph.D., Scholar/Scientist/Engineer National High Magnetic Field Laboratory
- * **Branson, Robert K.**, (1970-2003), Ph.D., Professor of Educational Research, and Director, Center for Performance Technology
- * **Braswell, Robert N.**, (1976-2003), Ph.D., Professor of Industrial Engineering
- * **Braswell, Ronald C.**, (1976-2000), D.B.A., Professor of Finance
- * **Brewer, James K.**, (1965-2003), Ph.D., Professor of Educational Research
- * **Brigham, John C.**, (1969-2004), Ph.D., Professor of Psychology
- * **Brock, Frances R.**, (1986-1996), Ph.D., Associate in Research, Educational Services Program
- * **Brock, Vandall Kline**, (1970-1999), Ph.D., Professor of English
- * **Brown, Amy L.**, (1975-2002), Ed.D., Associate Professor of Music
- * **Brubaker, Bill Ray**, (1966-1998), Ph.D., Professor of English
- * **Brueckheimer, William R.**, (1964-1990), Ph.D., Professor of Geography
- * **Bryant, Jean G.**, (1972-2001), Ph.D., Professor of History, and Director, Women's Studies Program
- * **Bryant, John L.**, (1966-2003), Ph.D., Orville G. Harrold Professor of Mathematics, 2000, Distinguished Research Professor, 1994-1999
- * **Bulecza, Susan**, (2002-2004), M.S.N., Assistant in Nursing, School of Nursing
- * **Burck, Harman D.**, (1960-1997), Ph.D., Professor of Human Services and Studies
- * **Burdick, Lois B.**, (1967-1999), M.L.S., Associate Director, University Libraries
- * **Burkman, Ernest, Jr.**, (1960-1990), Ed.D., Professor of Educational Research
- * **Burroway, Janet G.**, (1972-2002), M.A., Professor of English, McKenzie Professor, and Robert O. Lawton Distinguished Professor, 1995-1996
- * **Burton, Elsie C.**, (1974-1992), Ph.D., Professor of Physical Education
- * **Buzyna, George**, (1969-2004), Ph.D., Associate Professor of Mechanical Engineering, College of Engineering
- * **Cairns, Grace Edith**, (1948-1970), Ph.D., Professor of Philosophy and Religion
- * **Celec, Stephen E.**, (1976-2007), Ph.D., Professor of Finance
- * **Cancelon, Elaine D.**, (1972-2001), Ph.D., Professor of Modern Languages and Linguistics
- * **Cannon, Frances C.**, (1951-1990), Ed.D., Professor of Human Services and Studies
- * **Canterbury, E. Ray**, (1969-2003), Ph.D., Washington at St. Louis; Professor of Economics
- * **Cappellini, Charlene H.**, (1988-2003), M.A., Assistant in Distance Learning
- * **Capps, William M.**, (1971-2004), Ph.D., Professor of Music
- * **Carey, John J.**, (1960-1986), Ph.D., Professor of Religion
- * **Carleton, Frederica B.**, (1959-1970), Ed.D., Associate Professor of Home and Family Life
- * **Carrico, Patricia**, (1995-2004), Visiting University School Instructor, Florida State University School
- * **Carroll, Benjamin H.**, (1946-1974), Associate Professor of English
- * **Carroll, Gary B.**, (1978-1997), B.A., Assistant in Research, Educational Services Program
- * **Carroll, Myrtle M.**, (1958-1974), M.A., Instructor and Associate Librarian, Library
- * **Carter, Bonnie J.**, (1943-1958), B.S., Home Improvement Specialist, Home Demonstration Extension
- * **Carter, Odessa**, (1955-1956, 1961-1977), Associate Professor, Developmental Research School
- * **Carter, Robert C.**, (1970-1987), M.S., Associate Professor of Nursing
- * **Cason, Ernest Wesley**, (1939-1967), Ph.D., Professor of Education
- * **Caspar, Donald L.**, (1994-2003), Ph.D., Professor of Biological Science, and National Academy of Sciences
- * **Cassidy, Dennis S.**, (1963-1991), B.A., University Curator, Geological Sciences
- * **Chackerian, Richard**, (1969-2003), Ph.D., Professor of Public Administration
- * **Chang, Peter W.**, (1977-2003), M.A., Visiting Assistant in Research, Statistics
- * **Chapard, Louis**, (1964-1970), M.A., Lecturer, Modern Languages and Linguistics
- * **Chapman, Kenneth R.**, (1966-1991), Ph.D., Staff Physicist and Professor of Physics
- * **Chentnik, Chester G.**, (1969-1980), D.B.A., Associate Professor of Management
- * **Chiu, Tsao Y.**, (1982-2003), Ph.D., Director and Professor of Beaches and Shores Research Center, Institute for Science and Public Affairs
- * **Choppin, Gregory R.**, (1956-2001), Ph.D., Sc.D., Professor of Chemistry, Robert O. Lawton Distinguished Professor, 1967-1968
- * **Ciannella, Yvonne**, (1969-2003), B.A., Professor of Music
- * **Clapp, Robert George**, (1947-1972), M.A., Professor of Information Studies
- * **Clark, Jack A.** (1994-2006), M.F.A., Associate in Dance
- * **Clark, Lincoln F.**, (1983-1995), Professor of Music
- * **Clark, Ronald J.**, (1962-2003), Ph.D., Professor of Chemistry, Distinguished Teaching Professor, 1989-1990
- * **Clarkson, Jane S.**, (1973-2000), M.L.S., Department Head and Librarian, University Libraries
- * **Clay, Louise S.**, (1969-1990), M.S., Librarian, University Libraries
- * **Cobb, Martha A.**, (1949-1967), M.A., Assistant Professor and Head Counselor
- * **Collier, Albert**, (1962-1977), B.A., Professor of Biological Science
- * **Collins, Wesley C.**, (1972-1986), M.Ed., Associate Professor of Music
- * **Conaway, Charles W.**, (1977-2002), Ph.D., Professor of Information Studies
- * **Conner, Valerie J.**, (1974-2004), Ph.D., Associate Professor of History, College of Arts and Sciences
- * **Connors, Robert M.**, (1989-1999), M.S., Visiting Research Associate, Center for the Study of Teaching and Learning
- * **Cook, Jamie G.**, (1964-1995), Ph.D., Associate Professor of Nursing
- * **Cooklin, Gerald A.**, (1981-2000), M.S., Visiting Associate in College Programs
- * **Couch, Darrell V.**, (1985-1998), M.A., Lecturer of Management Information Sciences
- * **Cowart, James B.**, (1978-2003), Ph.D., Professor of Geological Sciences
- * **Cowart, Marie E.**, (1968-2003), Ph.D., Professor of Urban and Regional Planning and Dean of the College of Social Sciences Emerita, College of Social Sciences
- * **Coxe, Terrance H.**, (1998-2004), M.S., Associate in Research, Criminology and Criminal Justice

- Craig, Sara P.**, (1964-1977),M.A., Assistant Professor, Developmental Research School
- Crittenden, John F.**, (1975-1987),Ph.D., Visiting Associate Professor of Childhood Education
- * **Croft, James E.**, (1980-2003),D.M.E., Professor of Music
- Crook, Eugene** (1970-2006),Ph.D., Professor, English
- Crowley, Donna** (1971-2006),M.A., Associate Professor, Communication Disorders, College of Communication
- Cullar, Wendy M.**, (1966-1996),Ed.D., Program Director, Center for Educational Technology
- D'Alemberte, H. Talbot**, (1984-2003),J.D., Professor of Law and President Emeritus
- * **Dann, Elias**, (1968-1997),Ph.D., Professor of Music
- * **Dantin, Elvin J.**, (1984-1994),Ph.D., Professor of Civil and Environmental Engineering
- * **Davis, Marian L.**, (1971-2003),Ph.D., Professor of Textiles and Consumer Sciences, College of Human Sciences
- Davis, Robert H.**, (1957-1989),Ph.D., Professor of Physics
- Dawirs, Harvel N.**, (1962-1990),Ph.D., Professor of Communication
- Dawson, George O.**, (1967-2001),M.A.T., Professor of Curriculum and Instruction
- de Baroncelli, Maria**, (1971-1984),Associate Professor of Dance
- * **De Busk, A. Gib**, (1957-1990),Ph.D., Professor of Biological Science
- de Grummond, W.W.**, (1976-2002),Ph.D., Professor of Classics
- * **de Kloet, Siwo R.**, (1967-1996),Ph.D., Professor of Biological Science
- Dean, Patricia R.**, (1974-2005),M.S.N., Assistant Professor of Nursing
- * **Deans, Helen**, (1948-1977),M.Ed., Professor, Developmental Research School
- Dearmond, Genevieve**, (1949-1959),M.A., Head Counselor
- Deasy, Leila Calhoun**, (1970-1986),Ph.D., Professor of Social Work
- Decosmo, James V.**, (1950-1978),M.S., Assistant Professor of Movement Science and Physical Education
- * **Denmark, Ewell Thomas, Jr.**, (1958-1989),Ph.D., Professor of Curriculum and Instruction
- Densmore, Virginia Nolting**, (1967-1992),M.M.E., University School Professor, Developmental Research School
- DePew, John N.**, (1972-2000),Ph.D., Professor of Information Studies
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- Dickson, David F.**, (1966-1999),LL.B., Ph.D., Professor of Law
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- Driggs, Don F.**, (1962-1986),Ph.D., Associate Professor of Psychology
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- Dyson, James W.**, (1965-1989),Ph.D., Professor of Political Science
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- Eichenberger, Rodney**, (1990-2000),M.A., Professor of Music
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- Elliot, Paul R.**, (1971-2000),Ph.D., Professor of Biological Science
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- Evans, Joseph**, (1965-1990),M.S., Librarian, University Libraries
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- Fielding, Raymond E.**, (1990-2003),Ph.D., Professor and Dean Emeritus of Motion Picture, Television, and Recording Arts
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- Gareau, Frederick H.**, (1963-1996),Ph.D., Professor of Political Science
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- George, Lawrence C.**, (1970-2001),LL.B., Professor of Law
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- Glenn, Justin M.** (1972-2005),Ph.D., Service Professor of Classics
- Glick, Henry R.**, (1968-2002),Ph.D., Professor of Political Science
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- * **Golden, Leon**, (1965-2003),Ph.D., Professor of Classics and Director, Program in Humanities
- Goldman, Joel H.**, (1979-2004),Ph.D., Associate Scholar, Scientist, Engineer of Physics
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- Heiman, Carol A.**, (1987-2004), M.S., Associate in Biological Science, College of Arts and Sciences
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- * **Herz, Werner**, (1949-1994), Ph.D., Professor of Chemistry, Robert O. Lawton Distinguished Professor, 1987-1988
- Hicks, Mary W.**, (1973-2003), Ph.D., Professor of Family and Child Sciences
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- * **Hofer, Kurt G.**, (1971-2003), Ph.D., Professor of Biological Science, Distinguished Teaching Professor, 1989-1990, Robert O. Lawton Distinguished Professor, 1994-1995
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- Holbrook, Anthony**, (1966-1992), Ph.D., Professor of Communication Disorders
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- * **Hunt, Mary Alice**, (1953-1995), Ph.D., Associate Dean and Professor of Information Studies
- * **Hunter, Christopher**, (1970-2003), Ph.D., Professor of Mathematics, McKenzie Professor
- * **Hurst, Ralph N.**, (1953-1979), M.F.A., Professor of Art Education
- Hytnen, Eric**, (1979-2005), M.L.S., Librarian, Strozier
- Imwold, Charles H.**, (1980-2007), Ph.D., Professor of Sport Management Recreation Management and Physical Education
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- Jackson, Norman A.**, (1979-1996), Ph.D., Academic Administrator, College of Education
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- James, Herman G.**, (1959-1997), Ph.D., Associate Professor of Modern Languages and Linguistics
- * **Jeffrey, C. Ray**, (1970-1995), Ph.D., Professor of Criminology and Criminal Justice
- Jenkins, Althea** (2001-2006), Ph.D., University Librarian
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- Johnson, Rita D.**, (1973-1983), M.S., University School Assistant Professor, Developmental Research School
- * **Johnson, Robert M.**, (1968-1996), Ph.D., Vice President for Research, Professor of Biological Science, Dean of Graduate Studies, and Research Emeritus
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- Kemper, Kirby** (1971-2006), Ph.D., Vice President for Research and John Davis Fox Professor of Physics
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- Kiefer, Douglas W.**, (1991-2003), Donald Brittain Professor of Cinematography, 2000, and Associate in Film, School of Motion Picture, Television, and Recording Arts
- Kilpatrick, Howard T.**, (1981-1991), M.S., Assistant in Meteorology, Meteorology
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- Koster, Richard M.**, (1964-2000), M.A., Visiting Scholar, College Programs
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- Lewis, Constance C.**, (1971-2004), B.A., University School Professor
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- Lin, Pi-Erh**, (1968-2003), Ph.D., Professor of Statistics
- * **Linder, Bruno**, (1957-1998), Ph.D., Professor of Chemistry
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- * Matthews, Mary Alice D., (1977-1989), Ph.D., Associate Professor of Textiles and Consumer Sciences
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- * Meeter, Duane A., (1964-2002), Ph.D., Professor of Statistics
- * Megargee, Edwin I., (1967-2003), Ph.D., Professor of Psychology
- * Meisen, Daniel S., (1986-2006), M.A., Associate in Research Florida Resource and Environmental Analysis Center
- * Mellon, Edward K., (1966-1994), Ph.D., Associate Chair and Professor of Chemistry, Distinguished Teaching Professor, 1989-1990
- * Miller, Charles E., (1973-2000), M.S.L.S., Librarian and Director of University Libraries
- * Miller, Kent S., (1956-1990), Ph.D., Service Professor of Psychology
- * Miller, Marjorie, (1953-1963), M.S., Assistant Professor of Education
- * Mills, Belen C., (1968-1997), Ed.D., Service Professor of Educational Theory and Practice
- * Milton, George M., (1954-1980), M.A., Professor of Anthropology
- * Moore, John H., (1970-1993), Ph.D., Professor of History
- * Moore, Martha P., (1943-1944, 1951-1974), M.A., Assistant Professor of Human Performance
- * Moore, Walter L., Jr., (1967-1999), Th.D., Professor of Religion
- * Mooty, Mary E., (1937-1978), Ed.D., Professor of Art Education
- * Morgan, Robert M., (1968-2003), Ph.D., Professor of Educational Research, and Director, Learning Systems Institute
- * Morris, Connie, (1985-2001), M.L.S., Librarian, University Libraries
- * Morris, Harry C., (1961-1991), Ph.D., Professor of English
- * Morse, Joshua M., III, (1969-1998), J.D., Professor of Law
- * Mott, Joe L., (1965-2003), Ph.D., Professor of Mathematics
- * Moulton, Grace C., (1965-1990), Ph.D., Professor of Physics
- * Moulton, William G., (1965-2003), Ph.D., Professor of Physics
- * Mundy, Clair J., (1972-2003), Ed.D., Professor of Human Services and Studies
- * Murphy, Mary C., (1983-2003), R.N., B.S., University School Assistant Professor
- * Myers, James C., (1959-1989), M.S., Librarian, University Libraries
- * Nall, John W., (1963-1991), J.D., Academic Administrator, School of Computational Science and Information Technology
- * Nam, Charles B., (1964-1995), Ph.D., Professor of Sociology, Distinguished Research Professor 1993-1994, and Research Associate, Center for Population Study
- * Nast, Donald A., (1973-2005), Ph.D., Assistant Professor of Finance
- * Nation, Warren B., (1958-1990), Ph.D., Professor of Marketing
- * Neil, Marion, (1973-1990), Ph.D., Associate Professor of Educational Leadership
- * Newcomb, Ruth B., (1960-1975), Ph.D., Assistant Professor of Information Studies
- * Newell, Barbara W., (1981-1996), Ph.D., Professor of Economics
- * Newton, Wilfred L., (1964-1974), M.S., Assistant Professor of Educational Management Systems
- * Nichols, Alice B., (1956-1993), M.S., C.P.A., Associate Professor of Accounting
- * Nichols, Eugene D., (1956-1989), Ph.D., Professor of Curriculum and Instruction, Robert O. Lawton Distinguished Professor 1968-1969
- * Nosari, Eldon J., (1970-2004), Ph.D., Professor and Associate Dean, Finance, College of Business
- * O'Brien, James (1967-2006), Ph.D., Academic Director of the Center of Oceanic-Atmospheric Prediction Studies, Robert O. Lawton Distinguished Professor of Meteorology and Oceanography 1999-2000 and Distinguished Research Professor 1990-1991 and Russian Academy of Natural Science
- * O'Connor, Gerald G., (1969-1996), D.S.W., Professor of Social Work
- * Oeltjen, Jarret C., (1969-2002), J.D., Professor of Law
- * Ollry, Robert, (1953-1978), M.S., M.P.H., Associate Professor of Urban and Regional Planning
- * Olsen, Charles M., (1980-1997), M.F.A., Professor of Theatre
- * Olsen, Stanley J., (1968-1973), Professor of Anthropology
- * Oosterhof, Darlene K. (1973-2006), A.B., Assistant in Meteorology, Meteorology
- * Oosternof, Albert C., (1973-2002), Ph.D., Professor of Educational Research
- * Ooten, Homer A., (1984-2001), D.B.A., Associate in Instruction, Information and Management Science, Panama City Campus
- * Ortiz-Taylor, Sheila (1973-2006), Ph.D., Francis G. Townsend Professor of English 2000
- * Oseroff, Andrew B., (1970-2003), Ed.D., Associate Professor of Special Education
- * O'Steen, Judith A., (1966-2005), B.A., University School Associate Professor
- * Ozanne, Urban B., (1971-1997), D.B.A., Professor of Marketing
- * Palmer, Monte, (1967-1998), Ph.D., Professor of Political Science
- * Paredes, J. Anthony, (1969-1999), Ph.D., Professor of Anthropology
- * Pargman, David, (1973-2004), Ph.D., Professor, College of Education, Educational Psychology
- * Patterson, Joan A., (1993-1995), M.S., Associate in Research, Center for Prevention
- * Patton, Donald J., (1969-1989), Ph.D., Professor of Geography
- * Patton, Linda J., (1984-2005), M.L.S., Associate Librarian, Strozier
- * Payne, John A., (1979-1999), Ph.D., Associate Professor of Communication
- * Perry-Camp, Jane, (1980-1996), Ph.D., Professor of Music
- * Pestle, Ruth E., (1976-1995), Ph.D., Professor of Family and Child Sciences
- * Peterson, Gary W., (1972-2007), Ph.D., Professor and Chair for Educational Psychology and Learning Systems
- * Pfeffer, Richard L., (1964-2003), Ph.D., Distinguished Research Professor, 1996-1997, Carl-Gustaf Rossby Professor of Meteorology, 1999
- * Philpott, R. John, (1968-1995), Ph.D., Associate Chair and Professor of Physics
- * Piccard, Elizabeth J., (1968-1993), M.A., Associate Professor of Social Work
- * Piersol, Jon R. (1980-2006), Ph.D., Dean and Professor of Music
- * Pitchford, Sue, (1924-1963), B.S., Bursar, Comptroller's Office
- * Pitts, James E., (1968-2004), Ph.D., Director and Professor, International Programs
- * Platt, Elizabeth J., (1990-2005), Ph.D., Associate Professor of Middle and Secondary Education
- * Plendl, Hans S., (1956-1995), Ph.D., Professor of Physics
- * Plescia, Joseph G., (1962-1998), Professor of Classics
- * Ponder, Roger W., (1987-2005), Ph.D., Assistant in English
- * Pope, Anne F., (1939-1963), M.A., Head Counselor and Instructor
- * Posner, Philip, (?-2004), Ph.D., Professor, Biomedical Sciences, College of Medicine
- * Pribic, Elizabeth, (1965-1991), Ph.D., Professor of Modern Languages and Linguistics
- * Price, Lloyd L., (1969-1997), Ph.D., Professor of Communication Disorders
- * Pryor, Ruth (1973-2006), A.A.S., Associate In Research, Meteorology
- * Pugh, Griffith Thompson, (1947-1977), Ph.D., Professor of English
- * Quadagno, David M., (1987-2007), Ph.D., Professor of Biological Science
- * Rackley, Sandra W., (1976-2003), Ph.D., Associate Professor of Communications and Dean of Undergraduate Studies Emerita
- * Ragans, Sherrill W., (1959-2002), M.A., Associate Vice President, Student Affairs, Vice President for Student Affairs
- * Ragheb, Mounir G., (1975-2005), Ph.D., Professor of Sports Management, Recreation Management and Physical Education
- * Randel, William Peirce, (1947-1965), Ph.D., Professor of English
- * Rapp, Don W., (1966-1994), Ph.D., Professor of Family and Child Sciences
- * Rashotte, Carol A., (1999-2007), Ph.D., Research Associate, Psychology
- * Rashotte, Michael E., (1968-2003), Ph.D., Professor of Psychology, Distinguished Teaching Professor, 1990-1991
- * Rasmussen, Howard M. (1998-2006), M.S., Assistant in Florida Center for Public Management
- * Redfield, David D., (1964-1989), D.Ed., Professor of Educational Leadership
- * Ree, Joe J., (1969-2003), Ph.D., Professor of Modern Languages and Linguistics
- * Rehder, Ernest C., (1970-2005), Ph.D., Associate Professor of Modern Languages and Linguistics

- Remillet, June G., (1972-1975), M.P.H., R.N., Associate Professor of Nursing
- Rhodes, William C., (1947-2002), Ph.D., Professor of Chemistry
- * Richardson, Joe M., (1964-2005), Ph.D., Professor of History
- Richey, Helen L., (1936-1962), M.A., Assistant Professor of Clothing and Textiles
- Riedel, Robert A., (1991-2002), A.B., Instructor of Hospitality
- * Ripley, Charles P., (1978-2003), Ph.D., Professor of History
- * Ritchie, Myles H., (1949-1981), Ed.D., Professor of Research, Development, and Foundations
- * Roady, Elston E., (1947-1983), Ph.D., Professor of Political Science
- * Robbins, Jane B., (1994-2005), Ph.D., Dean and Professor, College of Information
- Robertson, Etta Lucille, (1924-1955), Professor of Music
- * Robson, Donald, (1963-2003), Ph.D., Professor of Physics, and Scientist/Scholar of Computational Science and Information Technology, and Robert O. Lawton Distinguished Professor, 1990-1991
- * Rockwood, Charles E., (1960-1995), Ph.D., Professor of Economics
- * Rockwood, Persis E., (1960-1989), Ph.D., Professor of Marketing
- Rodenberg, E. Rebecca, (1943-1960), M.A., Assistant Professor of Music
- * Roeder, Martin, (1964-1994), Ph.D., Professor of Biological Science
- * Rogers, William W., (1957-1995), Ph.D., Professor of History, Distinguished Teaching Professor, 1990-1991
- Rollin, Stephen A., (1971-2004), Ed.D., Professor, Educational Psychology, College of Education
- * Rose, Patricia Anne, (1972-2003), Ph.D., Associate Professor of Art History
- Ross, Janice S., (1970-2005), M.L.S., Assistant Librarian, Law
- Routh, Dorothy K., (1993-1997), M.A., Program Director, Learning Systems Institute
- * Rovetta, Charles A., (1953-1979), M.B.A., Dean Emeritus, College of Business, and Professor of Accounting
- * Rubanowice, Robert J., (1968-2002), Ph.D., Professor of History
- + Rubenstein, Richard L., (1970-1995), Professor of Religion, Robert O. Lawton Distinguished Professor, 1977-1978
- * Rubino, Richard G., (1968-1998), B.A., Professor of Urban and Regional Planning
- Ruppert, Peter, (?-2004), Ph.D., Professor, Modern Languages, College of Arts and Sciences
- * Ryan, Jeanne L., (1961-1986), Ph.D., Professor of Special Education and Reading
- Sale, Geraldine (1982-2006), Ph.D., Associate Professor of Accounting, Panama City Branch
- * Salisbury, Agnes E., (1951-1971), M.A., Professor of Nursing
- Salmon, O. Webb, (1966-1991), M.Ed., Associate Professor of English
- * Sandon, Leo, (1969-2003), Ph.D., Professor of Religion, Distinguished Teaching Professor, 1990-1991
- Sapp, Wendy K., (?-2004), Ph.D., Assistant Professor, College of Education, Special Education, Rehabilitation and Counseling Services
- Sayes, Barbara S., (1962-1967, 1980-1987), M.S.W., Assistant Professor of Social Work
- * Schendel, Laurel L., (1954-1990), Ph.D., Professor of Communication Disorders
- * Schiffman, Harold A., (1959-1983), D.M., Professor of Music
- Schlucker, Carolyn J., (1971-2001), Ph.D., Associate Professor of Educational Theory and Practice
- Schmidt, Harry A., (1949-1979), M.M., Professor of Music
- Schneider-Muntau (1991-2006), Ph.D., Professor of Mechanical Engineering and Associate Director National High Magnetic Field Laboratory
- * Schrieffer, John (1992-2006), Ph.D., Eminent Scholar, Chair in Physics and Nobel Laureate in Physics 1972
- * Schroeder, Wayne L., (1962-1992), Ph.D., Professor of Educational Foundations and Policy
- Schwartz, Louis, (1968-2002), Ed.D., Professor of Special Education
- * Schwartz, Martin A., (1966-2003), Ph.D., Professor of Chemistry
- Scott, Elton, (1975-2003), D.B.A., Associate Professor of Finance
- Scott, Kathryn P., (1977-1999), Ph.D., Professor of Educational Theory and Practice
- Scott, Robert L., (1977-1992), Ph.D., Assistant Professor of Educational Leadership, and Associate Director, Center for Professional Development and Public Service
- * Scott-Simmons, Diana (1973-2006), Ed.D., Professor of Childhood Education, Reading and Disability Services
- Shannahan, Mary K., (1981-1999), Ph.D., Associate Professor of Nursing
- Shannon, Lucy Elisabeth, (1957-1971), Ph.D., Assistant Professor of Clothing and Textiles
- * Shargel, Emmanuel I., (1968-2003), Ph.D., Associate Professor of Educational Foundations and Policy Studies
- * Shaver, Kenneth M., (1950-1970), LL.B., M.G.A., Professor of Business Law
- * Sheline, Raymond K., (1951-1998), Ph.D., Professor Emeritus of Chemistry and Physics, Robert O. Lawton Distinguished Professor 1966-1967, and Royal Danish Academy of Science and Letters
- Shellahamer, Bentley (1977-2006), Ph.D., Assistant Dean of the College of Music and Professor of Music
- Shepherd, Janet E., (2003-2007), M.D., Faculty Administrator/Academic Administrator, Clinical Sciences
- Sherron, Gene T., (1985-1999), Program Director and Professor of Information Studies
- * Sherwood, Frank P., (1932-1995), Professor of Public Administration and Jerry Collins Eminent Scholar Chair
- Shinn, Allen (1981-2007), M.A., University Librarian
- * Short, Robert B., (1950-1990), Ph.D., Professor of Biological Science
- Shrode, William A., (1969-2000), D.B.A., Professor of Management Information Sciences
- Shroeder, Edwin M., (1969-2004), J.D., Director and Professor, Law Library, College of Law
- Sias, Richard J., (1979-2004), F.S.T.D., A.T.C., Professor, Dance, School of Visual Arts and Dance
- Simerly, Robert G., (1995-1999), Ed.D., Dean, University Outreach, and Professor of Educational Leadership
- * Simmons, John S., (1962-2001), Ph.D., Professor of Curriculum and Instruction
- * Simons, Fred O., (1985-2003), Ph.D., Professor of Electrical and Computer Engineering
- * Simons, John D., (1970-1999), Ph.D., Professor of Modern Languages and Linguistics
- Singer, Evelyn (1984-2005), Ph.D., Professor of Nursing
- Singer, Ronald V., (1987-2002), Ph.D., Academic Administrator, Student Counseling Center and Nursing
- Singh, Bawa Satinder, (1965-2007), Ph.D., Professor of History
- * Sitton, Margaret A., (1972-1992), Ed.D., Dean, College of Human Sciences, and Professor of Family and Child Sciences
- * Skofronick, James G., (1964-2003), Ph.D., Professor of Physics
- * Slater, Mallie W., (1966-1979), A.B., University School Instructor, Developmental Research School
- * Sly, David (1970-2006), Ph.D., Professor of Demography and Population Health
- Smith, Adele C., (1985-2001), B.S., University School Assistant Professor, Developmental Research School
- * Smith, James C., (1952-2003), Ph.D., Professor of Psychology, Robert O. Lawton Distinguished Professor, 1992-1993, and Distinguished Teaching Professor, 1993-1994
- Smith, Janet Katherine, (1938-1941; 1949-1962), Ed.D., Professor of Housing and Interior Design, and Home and Family Life
- Smith, John A., (1999-2003), B.S., Faculty Administrator, Florida Resources and Environmental Analysis
- Smith, Robert L., (1978-2001), Ph.D., Associate Professor of Music and Director of Spain Study Abroad Program
- * Smith, Sara Louise, (1951-1968), Ed.D., Chair and Professor of Health Education
- Smoyer, Howard, (1947-1969), M.S., Assistant Professor of Chemistry
- Snyder, William R., (1966-2003), Ph.D., Professor of Educational Leadership
- * Solomon, E. Ray, (1962-1997), Ph.D., Dean Emeritus, College of Business; Professor of Risk Management/Insurance, Real Estate and Business Law; and Payne H. and Charlotte Hodges Eminent Scholar Chair
- Sorensen, Phillip E., (1970-2000), Ph.D., Professor of Economics
- Spacagna, Antoine E., (1971-2003), Ph.D., Professor of Modern Languages and Linguistics
- * Sparkman, Marjorie F., (1972-1988), Ph.D., Assistant Dean of the Faculties and Professor of Nursing
- Speisman, Gerald, (1956-1987), Ph.D., Associate Professor of Physics
- Spencer, Peter (1971-2006), D.M.A., Professor of Music
- Spencer, William, (1968-1980), Ph.D., Professor of History
- * Spurgeon, Phillip C., (1972-2003), B.M., Professor of Music
- * St. Angelo, Douglas, (1966-1996), Ph.D., Professor of Political Science
- Stafford, Flora M., (1969-1998), Assistant Director, University Libraries
- * Stair, Ralph M., Jr., (1978-2005), Ph.D., Service Professor of Management Information Sciences
- Stakenas, Robert G., (1977-1998), Ph.D., Professor of Educational Leadership
- * Staley, Raymond C., (1965-1987), Professor of Oceanography
- * Standley, Fred L., (1963-2003), Ph.D., Professor of English, Alumni Professor
- Stanley, Patricia H., (1977-2005), Ph.D., Professor of Modern Languages and Linguistics
- Stanton, Gregg R., (1979-2005), M.S., Assistant in Panama City Campus
- Steen, Jack E., (1964-1995), Ph.D., Associate Professor of Management
- Steiner, Hillary H., (2003-2004), Ph.D., Assistant Professor, Educational Psychology, College of Education
- * Stephan, Friedrich K. (1972-2006), Ph.D., Curt P. Richter Professor of Psychology and Neuroscience 2000
- Stepp-Greany, Jonita E., (1996-2004), Ed.D., Associate in Modern Languages, College of Arts and Sciences
- Stern, Maxine G., (1966-2002), B.A., Assistant in Research, University Relations
- * Stern, Melvin (1987-2006), Ph.D., Distinguished Research Professor 1995-1996 and National Academy of Sciences V. W. Ekman Professor of Oceanography 1999
- * Stewart, Jeanne, (1987-2007), M.S.N., Professor of Nursing
- * Stiff, Ashby G., Jr., (1957-2001), M.S., Associate Professor of Hospitality Administration
- * Stoker, Howard W., Jr., (1957-1984), Ph.D., Professor of Research, Development, and Foundations
- Stone, Alva T., (1975-2005), M.S., Assistant Librarian, Law
- Stoutamire, Barbara R., (1951-1953, 1963-1990), B.S., Visiting Coordinator, Biological Science
- Stowell, H. Peter, (1973-2003), Ph.D., Professor of English and Motion Picture, Television, and Recording Arts
- Strait, Paul W., (1966-2007), Ph.D., Associate Professor of History
- * Stroom, James K., (1968-2003), M.S., Professor of Music
- Strong, Donald R., (1972-1991), Ph.D., Professor of Biological Science
- * Stuart, David W., (1962-2000), Ph.D., Professor of Meteorology
- * Sturges, Wilton, III, (1973-2001), Ph.D., Professor of Oceanography
- Sudnow, Estelle Cooper, (1959-1970), B.A., Assistant Professor of Social Work
- * Summers, F. William, (1985-2007), Ph.D., Dean Emeritus and Professor of Information Studies
- Sumners, Dewitt Lee, (1967-2007), Ph.D., Professor of Mathematics Robert O. Lawton Distinguished Professor 1997-1998 Distinguished Research Professor 1992-1993
- Swain, Charles W., (1965-1998), Ph.D., Professor of Religion
- Tait, Pearl E., (1975-1997), Ph.D., Professor of Special Education
- Tam, Delia P., (?-2004), M.L.S., Librarian, University Libraries
- * Tanenbaum, Jan K., (1966-2003), Ph.D., Professor of History
- * Tanner, William F., (1954-1994), Ph.D., Professor of Geological Sciences
- * Tate, Richard (1976-2006), Ph.D., Associate Professor of Educational Research
- Taylor, Carolyn C., (1966-1992), M.S., Librarian, University Libraries
- Taylor, Jack A., (1970-2001), Ph.D., Professor of Music, and Director, Center for Music Research
- * Testardi, Louis R., (1985-1996), Ph.D., Professor of Physics
- Thomas, Hollie B., (1974-2003), Ph.D., Professor of Educational Leadership
- Thomas, Janice J., (?-2004), Ph.D., Research Associate, Learning Systems Institute
- * Toole, Tonya, (1979-2004), Ph.D., Professor of Nutrition, Food and Exercise Science, Human Sciences
- * Trezza, Alphonse F., (1982-1993), M.S., Professor of Information Studies
- * Troeger, Betty J., (1980-2003), Ph.D., Associate Professor of Art Education
- * Turner, Ralph V., (1962-1998), Ph.D., Professor of History and Distinguished Research Professor, 1993-1994
- * Turner, Robert G., (1970-2004), Ph.D., Professor, College of Business, Finance
- Unger, Frank A., (1972-1990), M.S., Director, Technical and Support Services, Florida Resources and Environmental Analysis Center
- Ungurait, Donald F., (1968-2003), Ph.D., Associate Professor of Communication
- Urquhart, Dan, (1969-1995), Ph.D., Associate Professor of Music
- Van Stan, Ina, (1941-1971), M.A., Professor of Clothing and Textiles

* **VanDercreek, William**, (1968-1996),LL.M., Professor of Law
 * **Vanderoef, John S.**, (1959-1997),Ph.D., Professor of Political Science
Vaughn, Joseph, B Jr. (1990-2006),Ph.D., Research Associate
Vertuno, Edward M., (1971-2001),Ed.D., Associate Professor of Educational Leadership
 * **Vickers, Thomas J.**, (1966-2003),Ph.D., Associate Chair and Professor of Chemistry
 * **Vinson, J. Kenneth**, (1969-2003),LL.M., Professor of Law
Voich Dan, Jr., (1964-2003),Ph.D., Chair and Professor of Management
 * **Wager, Walter W.**, (1972-2007),Ed.D., Professor of Educational Research
 * **Waggaman, John S.**, (1972-1995),Ed.D., Associate Professor of Educational Leadership
 * **Waldby, H. Odell**, (1951-1984),Ph.D., Professor of Public Administration and Political Science
Walker, Virginia G., (1975-2004),Ph.D.,Associate Professor, Communication Disorders, College of Communication
 * **Wallat, Cynthia**, (1982-2003),Ph.D., Chair and Professor of Educational Foundations and Policy Studies
Wang, Yung-Li, (1968-2002),Ph.D., Professor of Physics
 * **Warden, Jessie A.**, (1973-1986),Ph.D., Professor of Textiles and Consumer Sciences
Warmath, David S., (1994-2004),M.S., Research Associate, Psychology, College of Arts and Sciences
 * **Weale, Mary Jo**, (1965-1989),Ph.D., Professor of Interior Design
 * **Weale, W. Bruce**, (1950-1977),Ed.D., Professor of Marketing
 * **Weaver, George E.**, (1967-2004),Ph.D., Associate Dean and Professor, Dean's Office, College of Arts and Sciences
 * **Wellborn, Charles T.**, (1965-1992),Ph.D., Professor of Religion, and International Programs

Wells, Dorothy L., (1979-1996),M.S., Assistant Professor of Textiles and Consumer Sciences
 * **Wells, Lucy Janet**, (1957-1989),Ed.D., Professor of Movement Science and Physical Education
Wensing, Karen M., (1990-2007),M.L.S., Librarian, University Libraries
 * **Werdeshheim, Gary L.**, (1971-2002),M.A., Professor of Music
 * **Wheatley, Grayson H.**, (1988-1999),Ph.D., Professor of Curriculum and Instruction
White, Joseph A., Jr., (1950-1990),Ph.D., Associate Dean and Professor of Music
Whiteside, Patricia A., (1973-2003),Ph.D., Assistant Dean and Assistant Professor of Oceanography
 * **Wilkins, Paul L.**, (1970-2004),Ph.D., Professor of Management, College of Business
Williams, Charlotte A., (1968-1981),Ph.D., Assistant Professor of Management
 * **Williams, Harry F.**, (1966-1987),Ph.D., Professor of Modern Languages and Linguistics
Willson, Martha L., (1944-1966),M.A., Assistant Professor of Elementary Education
Wilson, Audrey V., (1976-1995),Ph.D., Associate Scholar, Program in Humanities
 * **Winchester, John W.**, (1970-2003),Ph.D., Professor of Oceanography
Wingate, David B., (1966-2003),M.S., Associate Professor of Music
Winsberg, Morton D., (1963-1997),Ph.D., Professor of Geological Sciences
Wise, Thelma, (1963-1967),M.A., Instructor and Head Counselor, Dean of Women
Witt, Mary, (1948-1965),Ed.D., Associate Professor of Elementary Education
Wollan, Laurin A., (1976-2002),J.D., Associate Professor of Criminology and Criminal Justice

Wood, Albert (1987-2006),Ed.D., Coordinator, Office of Student Services
Wood, J. Robert, (1989-1998),Ph.D., Associate Professor of Electrical and Computer Engineering, Engineering
 * **Wotring, Charles E.**, (1972-2000),Ph.D., Professor of Communication
Wright, Edward N., (1999-2005),Ph.D., Faculty Administrator and Academic Administrator, Panama City Campus
 * **Wright, Thomas P.**, (1967-2003),Professor of Math
Wynn, Sharon E., (1981-2007),B.S., Academic Administrator, Dean's Office, College of Arts and Sciences
Yerg, Beverly, (1977-2001),Associate Professor of Physical Education
 * **Yetter, John F.**, (1968-2007),J.D., LL.M., Professor of Law
Yon, Barbara Timmons, (1952-1957, 1959-1991),B. S., Academic Administrator, Office of the Dean of the Faculties
 * **Young, Emmett Neil**, (1972-1998),J.D., Associate Professor of Risk Management/Insurance, Real Estate and Business Law
Young, Eutiquio C., (1965-2003),Ph.D., Professor of Mathematics
 * **Young, Marilyn J.**, (1972-2005),Ph.D., Professor of Communication
Zahn, Douglas A., (1969-2005),Ph.D., Professor of Statistics
Zaret, Daniel A., (1967-1970),Ph.D., Lecturer, Modern Languages and Linguistics
 * **Zenz, Gary J.**, (1968-2003),Ph.D., Professor of Marketing
Zongker, Calvin E., (1973-1997),Ed.D., Chair and Associate Professor of Family and Child Sciences, and Co-Director, Interdivisional Ph.D. Program in Marriage and the Family
Zurko, Max J., (1984-2005),Ph.D., University School Instructor, Developmental Research School

Professional and Administrative Personnel

Educational degrees are categorized using the following abbreviations:

- D = Doctoral degree
- M = Master's degree
- B = Bachelor's degree
- A = Associate's degree
- O = Other educational background

Abbuhl, Douglas R., O, Seminole Golf Course & Club, Facilities Specialist
Abdol, David K., D, Athletics Administration, Academic Program Specialist
Abell, Terry D., M, Soc Work Multidisciplinary Aux, Health & Human Services Spec
Acoff, Edward Earl, B, Human Resources, Program Director
Acoff, Phadrea L., O, Univ Business Administrators, Univ Business Admin II
Acosta, Alan Alfred, M, University Housing, Student Program Coordinator
Adamick, Steven H., M, Facilities Admin Services, Program Coordinator
Adams, Bernadette G., O, International Programs, Administrative Specialist
Adams, Joel D., O, Facilities Planning, Construction Specialist
Adkins, Todd Walter, B, Natl High Magnetic Field Lab, Research Engineer
Aggelis, Kitty J., M, Ofc of Audit Services, Audit Administrator
Agner, William S., Jr., B, Enterprise Resource Planning, ERP Analyst II
Aidman, Ellyn L., O, Advising First, Academic Advisor
Akins, Anitra N., O, Parking & Transportation, Program Coordinator
Akkarapparam, Roche A., B, Budget & Analysis, Data Analyst
Akridge, James G., O, Oglesby Union Administration, Facilities Specialist
Alexander, Cassandra V., B, Dean Coll of Arts & Sciences, Academic Program Specialist
Alexander, Jerry D., O, Working Capital, Facilities Specialist
Alexander, Karen E., M, Medicine Instructional Rsch, Scientific Research Specialist
Alexander, Lassandra C., B, Student Financial Aid, Student Financial Specialist
Alexander, Susan E., B, Provost & VP Academic Affairs, Accounting Specialist
Alford, Kellie M., B, Controllor, Accounting Specialist
Alford, Marvin H., Jr., B, Information Services, Application Developer/Designer
Allen, Barbara L., B, Provost & VP Academic Affairs, Program Director
Allen, James W., M, Community College Relations, Academic Program Specialist
Allen, Jimmie D., Jr., O, Athletics Administration, Athletic Coach II
Allen, Margaret R., M, Honors Program, Academic Program Specialist
Allen, Walter F., O, Industrial & Manufacturing Eng, Media Specialist
Almand, Mary Alice, M, Psychology, Mental Health Specialist
Alonzo, Benjamin T., B, FSU Research Foundation, Assistant Director
Alvarez, Rafael G., M, VP Finance & Administration, Associate Vice President
Amato, Charles M., M, Athletics Administration, Athletic Coach III
Amato, Kylie D., O, Athletics Administration, Academic Program Specialist
Amos-Tata, Kimberly Leigh, M, Nursing Department, Academic Program Specialist
Amwake, David F., B, Human Resources, HR Specialist
Anderson, Jan M., M, Ctr Edu Rsch & Policy Studies, Program Coordinator
Anderson, Kennetha W., A, University Computing Services, Network Administrator
Anderson, Sandi M., M, Human Resources, HR Specialist
Andres, Sue E., O, Human Resources, HR Specialist
Andrews, Dorothy Jean, B, Ringling Center for the Arts, Associate Director
Andrews, Michael D., M, Athletics Administration, Athletic Coach III
Anestor, Mike Ish, O, Controllor, Accounting Specialist
Ardoin, Mary S., B, Oglesby Union Administration, Student Program Coordinator
Arendes, Richard J., O, Office of Telecommunications, Network Administrator

Armstrong, Amy C., M, University Housing, Student Program Coordinator
Armstrong, Margaret M., D, Admissions, Media Specialist
Armstrong, Patricia M., M, Medicine Clinical Sciences, Health & Human Services Spec
Arnold, Donna S., B, Human Resources, HR Specialist
Arsenault, Brian A., M, Ctr for Info Train & Eval Svcs, Computer Research Specialist
Ashmore, Michon L., M, Thagard Student Health Center, Media Specialist
Ashton, Melissa Joy, B, Dean of Students, Student Program Coordinator
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- Burnfin, David Michael**, B, Admissions, Academic Program Specialist
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