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<td>January 9 – April 28</td>
<td>May 9 – August 4</td>
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<td>2006</td>
<td>August 28 – December 15</td>
<td>January 8 – April 27</td>
<td>May 9 – August 3</td>
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<td>2007</td>
<td>TBA</td>
<td>March 5 – 9</td>
<td>May 9 – June 15</td>
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<td>2008</td>
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<td>TBA</td>
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<th>Memorial Day</th>
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<th>Thanksgiving Day</th>
<th>Friday After Thanksgiving</th>
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For registration dates, see the Registration Guide available online at http://registrar.fsu.edu.

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<th>Spring 2006</th>
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<td>Freshman</td>
<td>March 1, 2005</td>
<td>November 1, 2005</td>
<td>March 1, 2006</td>
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<tr>
<td>Transfer</td>
<td>July 1, 2005</td>
<td>November 1, 2005</td>
<td>March 1, 2006</td>
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<tr>
<td>United States Graduate*</td>
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<tr>
<td>International</td>
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<tr>
<td>Freshman</td>
<td>March 1, 2005</td>
<td>November 1, 2005</td>
<td>March 1, 2006</td>
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<tr>
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<td>May 1, 2005</td>
<td>September 1, 2005</td>
<td>February 1, 2006</td>
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<tr>
<td>Graduate*</td>
<td>May 1, 2005</td>
<td>September 1, 2005</td>
<td>February 1, 2006</td>
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<tr>
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<td>July 1, 2005</td>
<td>November 1, 2005</td>
<td>March 1, 2006</td>
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<tr>
<td>Graduate*</td>
<td>July 1, 2005</td>
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<td>November 1, 2005</td>
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*Many graduate programs have earlier deadlines than the University-wide published dates. Contact the program you wish to apply to for the applicable admission deadline. Programs which use the University-wide deadline may have earlier deadlines for consideration for financial awards.

** Includes Tallahassee Community College/The Florida State University Cooperative Program.

The University reserves the right to close earlier, if warranted by enrollment limitations.
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<th>Summer 2007</th>
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<td>Freshman</td>
<td>March 1, 2006</td>
<td>November 1, 2006</td>
<td>March 1, 2007</td>
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<tr>
<td>Transfer</td>
<td>July 1, 2006</td>
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<td>November 1, 2006</td>
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<tr>
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<td>May 1, 2006</td>
<td>September 1, 2006</td>
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<td>May 1, 2006</td>
<td>September 1, 2006</td>
<td>February 1, 2007</td>
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<td>November 1, 2006</td>
<td>March 1, 2007</td>
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<td>March 1, 2007</td>
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<tr>
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<td>July 1, 2006</td>
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<td>March 1, 2007</td>
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*Many graduate programs have earlier deadlines than the University-wide published dates. Contact the program you wish to apply to for the applicable admission deadline. Programs which use the University-wide deadline may have earlier deadlines for consideration for financial awards.

**Includes Tallahassee Community College/The Florida State University Cooperative Program.

The University reserves the right to close earlier, if warranted by enrollment limitations.
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.

Equal Employment Opportunity and Non-Discrimination Statement

The Florida State University is committed to a policy of non-discrimination for any member of the university 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, 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 Florida State 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 Florida State 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 stance by:

- Ensuring accessibility of programs, services and activities to all users;
- Implementing policies and procedures that ensure that opportunities are available equitably to all;
- Building a multidimensional, diversified workforce that reflects availability;
- Fostering leadership and direction that guarantee 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 ensure university-wide access and compliance in the areas of equal opportunity, equity and affirmative action, the University has appointed a Director of Diversity Enhancement and Compliance, Cheryl Seals-Gonzalez, within Human Resources. This person shall foster diversity and inclusion in university-wide education programs and employment activities 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 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 Cheryl Seals-Gonzalez, Director, Office of Diversity Enhancement and Compliance at (850) 644-8082.

Persons with Disabilities

The Florida State University adheres to Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 (ADA) 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 Enhancement and Compliance, University Center, Bldg. A, Suite 6200, or call (850) 644-8082.

HIV/AIDS Policy

Students, employees, and applicants for admission or employment at The Florida State University who have or who may become infected with the HIV virus 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 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 and Prevention, the Public Health Service, the American College Health Association, and the Florida Department of Health.

The 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; and James Hennessey, Ph.D., Student Counseling, (850) 644-2003. Anonymous 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 The Florida State University, whether by faculty, students, or staff or by others while on property owned by or under the control of the University.

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 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
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 sketches, 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; or

f. Sexual battery. (Note: some acts of sexual harassment may also constitute violations of criminal law, e.g., sexual battery, indecent exposure, sexual abuse, etc. In such instances, please refer to the FSU Sexual Battery Policy.)

5. Disciplinary and Other Actions. Sexual harassment is prohibited by The Florida State University. The University will take appropriate action against any person found to be in violation of this policy. (Note: a person who has sexually harassed another or retaliated against another may also be subject to civil or criminal liability under state or federal law.)

a. Disciplinary Actions. Any employee who has sexually harassed another employee or a student, retaliated against such person for bringing a complaint of sexual harassment, or otherwise violated this policy shall be guilty of misconduct and subject to disciplinary action up to and including dismissal, in accordance with applicable law, rules, policies, and/or collective bargaining agreements. In addition, any student who has sexually harassed another student or an employee, retaliated against such person for bringing a complaint of sexual harassment, or otherwise violated this policy may be subject to disciplinary action up to and including expulsion, pursuant to the Student Code of Conduct. The term “employee” includes all persons employed by the University including faculty and graduate teaching assistants.

b. Other Actions. The University will take such corrective action against any non-students or non-employees found to have violated this policy, as may be appropriate under the circumstances.

6. Retaliation. Retaliation against one who in good faith brings a complaint of sexual harassment or who in good faith participates in the investigation of a sexual harassment complaint is prohibited and shall be a violation of this policy and shall constitute misconduct subject to disciplinary or other action as described in Section (5) above.

7. Filing of False Sexual Harassment Complaint. Knowingly filing a false sexual harassment complaint is prohibited and shall 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 bring the 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 appropriate 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. A complaint that is investigated and deemed unsubstantiated is not necessarily a false complaint.


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:

1. The Office of Audit Services;
2. The Office of the Dean of the Faculties;
3. The Office of the Dean of Students;
4. The Department of Human Resources;
5. A student’s school or college dean; or,
6. 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:

1. The names, addresses, telephone numbers, administrative unit, and position or status of the complainant and the respondent, if known;
2. Specific acts alleged, including dates, times, and locations;
3. Names, addresses, and phone numbers of potential witnesses;
4. The effect the alleged acts have had on the complainant;
5. Actions the complainant may have taken to attempt to stop the harassment;
6. Complainant’s suggestion of proposed action to address or resolve the harassment; and

7. Other information the complainant believes is relevant.

c. Transmitting a Complaint to the OAS. The complaint shall be immediately 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 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
beliefs 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 Faculty of 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. The investigation should include a review of 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 The 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 supercedes 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, 4077 Westcott Building, (850) 644-6031, or by calling The Florida State University Sexual Harrassment 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) 644-2435; 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, 6224 University Center A, (850) 644-6475.

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

Mission. The 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, The 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 materials sciences. Faculty and programs are 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 School of Criminology, 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 Information Technology 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 University System of Florida, 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, The Florida State University attracts students from every county in Florida, every state in the nation, and 135 foreign countries. The University is committed to high admission standards that ensure quality in its student body, which currently includes 369 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 one of the core activities of teaching, learning, research, and the development of the whole person. Graduate students, who comprise 18.4 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 10.3 percent, mostly graduate students, are over 31 years old.

A Summons to Responsible Freedom

Values and Moral Standards at The Florida State University

The moral norm which guides conduct and informs policy at The Florida State University is responsible freedom. Freedom is an important experience which the University, one of the frontiers 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, The Florida State University not only focuses on intellectual development, but as a community of 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 human beings; 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.

The 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 interaction, personal 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 vital to the University 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.

The 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 open and fair opportunities which 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’s purposes, 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 which 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 order and decorum in the University community.

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, sexism, acts, policies, or practices, which are inconsistent with the concept of responsible freedom as espoused by The Florida State University, is incompatible with the concept of responsible freedom as espoused by The 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 The 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

The Florida State University randomly and routinely photographs and makes videos on the main campus, branch campi, and the international programs. 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 websites, and other University information publications. For further information contact Media Relations at 644-4030.

Integrity in Research and Creative Activity

It is the policy of The 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 procedures can be found in the Faculty Handbook.

Notification to All Applicants for Admission and Students Attending The 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 which 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
Garnet E-Mail Accounts for All Students at The Florida State University

The official method of communication at The Florida State University is the ACNS Garnet e-mail account. In order to stay informed and aware, students are required to set up and maintain their account, and check it three times per week. To set up an e-mail account, students first must acquire an FSUCard. For more information concerning FSUCards, contact the FSUCard center at (850) 644-7777. Students may choose to forward their Garnet account to another e-mail account; however, they still will be responsible for all information distributed by the University to their Garnet account. For more information (including how to set up an account,) log on to http://cars.acns.fsu.edu or call the Office of Technology Integration Help Desk at (850) 644-8502, extension 1.
The Florida State University Statement for Students on the Unlawful Possession, Use, or Distribution of Illicit Drugs and Alcohol

Standards of Conduct

State of Florida statutes declare that it is unlawful for any person under 21 years of age to possess or consume 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 criminally 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.

Legal Sanctions

Alcohol Offenses

<table>
<thead>
<tr>
<th>Common Alcohol Offenses (Leon County)</th>
<th>Typical Penalty First Offense</th>
<th>Maximum Penalty First Offense</th>
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<tbody>
<tr>
<td>Possession or attempt to purchase alcohol by a person under 21 years of age.</td>
<td>Diversion program; $180 fine; 10 hours community work program.</td>
<td>60 days jail; $500 fine.</td>
</tr>
<tr>
<td>Using a false driver’s license ID or allowing someone to use your driver’s license for an ID card.</td>
<td>Diversion program; $180 fine; 10 hours community work program.</td>
<td>60 days jail; $500 fine.</td>
</tr>
<tr>
<td>Providing alcohol to a person under 21.</td>
<td>Diversion program; $180 fine; 10 hours community work program.</td>
<td>60 days jail; $500 fine.</td>
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Illicit Drugs Offenses

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.

Risks Associated with the Use of Illicit Drugs and the Abuse of Alcohol

Alcohol consumption causes a number of marked changes in behavior. It may increase aggressiveness, lower inhibitions, cloud judgement, reduce resistance, and hamper the ability to make decisions. The effects of alcohol 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. 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 brain responsible for higher functions, such as decision-making and social inhibitions, suppressing an individual’s self-control. Alcohol in the blood

Prolonged, heavy consumption of alcohol can result in long-term medical problems, including high blood pressure, increased risk of heart attack, pancreatitis, various cancers, cirrhosis of the liver, infectious diseases, mental disorders, and impairment of the central nervous system, all of which may lead to early death. Consistent use of alcohol can lead to tolerance, which is an indication of the body’s adjustment to regular drinking, and is a warning sign of alcohol abuse. High tolerance may be an inherited function, which many researchers think is a sign of genetic predisposition to alcoholism. Sudden cessation of alcohol intake by alcoholics is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions, which can be life-threatening.

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

Information on Alcohol and Drugs and Treatment Referral

Thagard Student Health Center’s Health Promotion Department, (850) 644-8871, provides educational workshops for any audience by request. It has an extensive reference library and refers students seeking assistance with alcohol and drug matters.

Additional resources include:
- The Tallahassee Telephone Counseling and Referral Service, (850) 224-NEED
- Narcotics Anonymous, (850) 599-2876
- Alcoholics Anonymous, (850) 224-1818
- The Florida State University Student Counseling Center, (850) 644-2003, is available to students for counseling and support services.
- The Florida State University Marriage and Family Therapy Clinic, (850) 644-1588, provides limited treatment services.

Additional Information is available on the Internet at the following websites:

University Disciplinary Sanctions for Alcohol/Drug Offenses

The disciplinary function at The Florida State University is an integral part of the educational mission of the University. Students in violation of state laws, city ordinances, or University policies will be reported to The Florida State University authorities for disciplinary action. Disciplinary processes are outlined in the Florida State University Student Handbook, which gives the University authority to impose sanctions including suspension, dismissal, and expulsion. Parental notification under certain circumstances is integral to University protocol regarding alcohol use.
University History

The Florida State University, one of the largest and oldest of the eleven institutions of higher learning in the State University System of Florida, had its beginning as early as 1823 when the Territorial Legislature began to plan a higher education system. In 1825 the Federal Government reserved two townships for the purpose of maintaining two such institutions in the territory, and in 1845 the United States Congress, supplemental to the act admitting Florida as a state in the Union, provided for 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 Tallahasssee 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 academic and moral community.

The Florida State University Army ROTC cadet program, established in 1946, provided military training for Florida State University students. The ROTC program was established 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 PhD candidates graduated in 1970. Programs in African-American Studies and Women’s Studies were established. Continuing the liberal arts tradition begun in the 1890s, the Liberal Studies Program required of all undergraduates was expanded and strengthened.

The following decade, The Florida State University has added to its academic organization and now comprises 17 colleges and schools. It has expanded from the original few acres and buildings to over 513 buildings on nearly 4,322 acres, including the downtown Tallahassee main campus of 448.3 acres, a farm, which for many decades was occupied by the Florida State University for Women; the Seminole Reservation—a recreational facility; the Marine Laboratory on the Gulf Coast; the FAMU—FSU College of Engineering facility; the University Computing Center and Division of Research at Innovation Park; and the branch campus in Panama City, Florida. The Florida State University celebrated its 50th year as a university in 1997, with a student population of over 30,000, and recognition as a major graduate research institution with an established international reputation.

The Fall 2004 enrollment totaled 38,886 students from all 50 states, the District of Columbia, the U.S. territories, and 134 countries. The breakdown by class in 2004 included 7,198 freshmen, 5,957 sophomores, 8,288 juniors, 8,572 seniors, 740 law students, 1,180 special students, and 6,116 graduate students. Of
the student body, 43.3% are men, 56.7% women. The faculty totaled 2,119.

University Organization

The 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 the FBOG oversee the 13-member Board of Trustees for each of Florida’s public institutions through the Chancellor of Colleges and Universities. The Florida State University 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. The 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 The 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 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 faculty 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 the Vice President of Enrollment Management and the Office of Financial Aid.

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 activities through external relations and 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 Relations Office, the Office of Community Relations, the Office of Governmental Relations, the Office of Media Relations, and the Office of University Communications.

The Faculty Senate is 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.

College, School, and Department Overviews

In the humanities, the University is a nationally recognized center of excellence in graduate training. A number of humanities faculty members have distinguished themselves through service as heads of national academic organizations in philosophy, English, history, and religion. The University has not only one of the largest graduate-level programs in the study of religion, but it is one of the most highly regarded. The Creative Writing Program is recognized in the Southeastern states, Puerto Rico, and throughout the state, and by bringing leading writers in residence to campus, supports the literature program.

Several humanities departments publish their own magazines and sponsor lecture programs, and many faculty members edit scholarly journals. In recent years, a number of these departments have won grants from the National Endowment for the Humanities, and many faculty members are among the most highly regarded. The College of Fine Arts currently has 80,000 noncredit course enrollments. The College of Fine Arts sponsors several doctoral programs, including Ph.D., M.F.A., and M.A. degrees. The College of Fine Arts offers a wide variety of graduate and undergraduate programs, including painting, sculpture, drawing, printmaking, photography, graphic design, digital media, and writing.

In the social sciences, the University is a major research institution in the field of political science. The Department of Political Science offers undergraduate and graduate programs in political science, public policy, and international relations. The department is one of the largest in the country and has one of the largest graduate programs in the field. The department offers a variety of courses in political theory, political economy, and political behavior. The department also offers a variety of research opportunities, including internships, research assistantships, and research grants.

In the sciences, the University is a major research institution in the field of biology. The Department of Biology offers undergraduate and graduate programs in biology, including molecular biology, evolutionary biology, and ecology. The department is one of the largest in the country and has one of the largest graduate programs in the field. The department offers a variety of courses in molecular biology, evolutionary biology, and ecology. The department also offers a variety of research opportunities, including internships, research assistantships, and research grants. The department is also home to the Florida State University College of Medicine, which is one of the largest medical schools in the country. The college offers a variety of programs, including undergraduate programs in the premedical sciences, medical student programs, and graduate programs in medicine.

In the professional programs, the University is a major research institution in the field of education. The College of Education offers undergraduate and graduate programs in education, including elementary education, secondary education, and special education. The college is one of the largest in the country and has one of the largest graduate programs in the field. The college offers a variety of courses in education, including elementary education, secondary education, and special education. The college also offers a variety of research opportunities, including internships, research assistantships, and research grants. The college is also home to the Florida State University College of Law, which is one of the largest law schools in the country. The college offers a variety of programs, including undergraduate programs in legal studies, law student programs, and graduate programs in law.

In the arts, the University is a major research institution in the field of music. The Department of Music offers undergraduate and graduate programs in music, including performance, music theory, and music education. The department is one of the largest in the country and has one of the largest graduate programs in the field. The department offers a variety of courses in performance, music theory, and music education. The department also offers a variety of research opportunities, including internships, research assistantships, and research grants. The department is also home to the Florida State University College of Music, which is one of the largest music schools in the country. The college offers a variety of programs, including undergraduate programs in music, music student programs, and graduate programs in music.

The Florida State University Museum of Fine Arts, a division of the School of Visual Arts and Dance, is the major art museum in the area. The Gallery, occupying 16,000 square feet, serves as an exhibition, information, and documentation center for contemporary art and art history. The Museum of Fine Arts also administers the Appleton Museum and Collection, located in Ocala, Florida. Works of art bridging many cultures over thousands of years form the core of the school’s outreach program in central Florida and provide rich source material for students of art and art history. The
The University of Florida is a large university located in Gainesville, Florida. The university offers a wide range of academic programs, including bachelor's, master's, and doctorate degrees. The university has a strong emphasis on research and innovation, with a focus on addressing societal problems and improving the quality of life. The university is home to several research centers and institutes, which support interdisciplinary research and collaboration. The university is also known for its strong athletic programs, particularly in football and basketball. The university hosts several sporting events throughout the year, including the annual Orange Bowl, which is a major college football bowl game.
Institutes and Research Centers
The work of the colleges and schools 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

Program Development and Faculty Support
Learning Systems Institute

Science and Public Affairs
Beaches and Shores Resource Center
Center for the Advancement of Human Rights
Center for Biomedical and Toxicological Research and Hazardous Waste Management
Center for Economic Forecasting and Analysis
Center for Information, Training, and Evaluation Services
Center for Prevention and Early Intervention Policy
Florida Center for Public Management
Florida Conflict Resolution Consortium
Florida Institute of Government
Florida Resources and Environmental Analysis Center
Florida State Climate Center
Institute for International Cooperation
Environmental Research
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
The Florida Center for Prevention Research

International Programs
Florida–Costa Rica Linkage Institute (FLORICA)
Florida–France Linkage Institute

College of Arts and Sciences
Antarctic Marine Geology Research Facility
Center for Materials Research and Technology
Center for Ocean-Atmospheric Prediction Studies
Cooperative Institute for Tropical Meteorology
FSU Sensory Research Institute
Geophysical Fluid Dynamics Institute
Institute for Cognitive Sciences
Institute for Fishery Resource Ecology
Institute for the Study of Emotion
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
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
Small Business Institute

College of Communication
Florida Government Performance Survey Research Center
International Center for the Advancement of Political Communication
L.L. Schendel Speech and Hearing Clinic

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
Melvare Grahem Hardee Center for Women in Higher Education

FAMU—FSU College of Engineering
Center for Intelligent Systems, Control and Robotics
Sustainable Energy Science and Engineering Center

College of Human Sciences
Center for Family Services (also under Institute of Science and Public Affairs)
Center for Marriage and Family Therapy
Florida Inter-University Center for Child, Family and Community Studies
Florida State University Family Institute
Resource Materials Center

College of Information
Information Use Management and Policy Institute

College of Law
Florida Dispute Resolution Center

College of Medicine
Center of Excellence for Patient Safety
Center for Rural Health Research and Policy
Center on Terrorism and Public Health

School of Motion Picture, Television and Recording Arts
Institute of Motion Picture, Television and Recording Arts

College of Music
Center for Music of the Americas
Center for Music Research

College of Social Sciences
Center for Civic and Nonprofit Leadership
Center for Demography and Population Health
Claude Pepper Center
DeVoe L. Moore Center for the Study of Critical Issues in Economic Policy and Government
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
Center for Social Work Research and Practice
Institute for Family Violence Studies
Institute for Health and Human Services Research
(also under Institute of Science and Public Affairs)
Traumatology Institute
Trinity Institute for the Addictions

Provost’s Office
Institute for Academic Leadership

Research, Office of the Vice-President for
FSU Center for Health Equity

Other Instructional Units
Center for Professional Development

Director: William H. Lindner
The Center for Professional Development (CPD) provides continuing education and outreach activities locally, statewide, nationally, and internationally on behalf of The Florida State University. Activities include academic programs, professional programs, technical training and e-media services delivered in the classroom and online. All of the center’s programs support its mission to extend the resources of the University to promote lifelong learning.

The center is housed in the Turnbull Conference Center, which is located on the southeast edge of the campus, nearest the Capitol. The Turnbull Center offers an auditorium, meeting rooms, and a dining room to facilitate meetings, workshops, and symposia for The Florida State University community. Experienced continuing education coordinators assist with program development, budgeting, marketing, logistics, technical assistance, and on-site management.

Components of the Center
Academic Programs. In conjunction with the University’s academic departments, CPD coordinates degree and certificate programs for non-traditional, part-time students. Programs can be found throughout Florida, from Pensacola to Jacksonville to Miami. A number of programs are delivered via distance technologies. The academic unit provides teacher certification opportunities and continuing education units (CEUs) throughout the year. The center also sponsors tuition scholarships for adult students wishing to return to school.
Professional Programs. CPD develops, promotes, and administers a wide range of non-credit programs and certifications in traditional classroom settings and online. Lifelong learners can remain current in their fields and maintain licensure and continuing education requirements by accessing CPD’s course offerings. The center provides synchronous and asynchronous online learning opportunities that make it possible for adult learners to study and learn in the comfort of their homes or offices.

The professional programs unit focuses on career skills development, personal enrichment, and health and fitness offerings. Current courses include the following: Certified Financial Planner Online; Continuing Legal Education Online; Seminole Fitness; Test Preparation; Business Management courses; and Workplace Writing Certification.

Technical Training. CPD’s technology training unit offers the latest in industry certified training programs that can be customized to individual learner or employer needs. Technical training course offerings may include Oracle, FSU Certified Webmaster, MCSE, and MOUS. Classes are held at the Turnbull Center, but CPD also tailors training for a client’s workplace, with experienced teachers and technicians customizing classes to suit specific needs.

E-media Services. The e-media services unit of the Center for Professional Development works with clients within and outside the University to develop and disseminate comprehensive and customized educational programs. Their web-based media services include the following: information and database designs; user interfaces for online professional development and credit programs; and online registration, payment, and coursework.

Anyone interested in obtaining further information regarding the Center for Professional Development’s services or programs should contact the Center for Professional Development, The Florida State University, Tallahassee, FL 32306-1640. The center’s website can be accessed at http://learningforlife.fsu.edu. Phone: (850) 644-3801.

The Florida Center for Intensive English Studies (CIES). CIES provides intensive instruction in the English language to non-English speakers. Its primary target audience is international scholars who are preparing to pursue degree work in American colleges and universities. CIES also provides English-as-a-second-language services for the spouses of regular students at The Florida State University as well as for some already admitted international students who are experiencing difficulty in mastering the English language. Center for Intensive English Studies, 918 West Park Avenue, The Florida State University, Tallahassee, FL 32306-4170. Phone: (850) 644-4797. E-mail: cies@mailer.fsu.edu.

The Florida Center for Public Management Interim Director: James R. Anderson, Jr.

The Florida Center for Public Management (FCPM) was established in 1978 to provide assistance to elected leaders and appointed officials of 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 management development, organizational improvement, survey research, quality analysis, and the Certified Public Manager Program. As such, FCPM complements the public service and research mission of the University while supporting the academic mission of instruction through the use of undergraduate and graduate students in applied settings for enhanced learning.

To obtain further information about FCPM and its services, write or call: The Florida Center for Public Management, The Florida State University, HMB 102, Tallahassee, FL 32306-2821. (850) 644-6460.

Learning Systems Institute Director: Laura B. Hassler

Associate Directors: Tristan Johnson, Rabieh Razzaouk

The Learning Systems Institute is a multidisciplinary research and development unit dedicated to improved human performance. The Learning Systems Institute (LSI) is a recognized world leader in applying instructional systems design (ISD) in school, business, industry, and military settings. LSI has brought more than $150 million in externally funded research to The Florida State University over a 36-year period, 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 and science;
2. Learning communities and research;
3. Learning and performance support systems research and implementation;
4. Multidisciplinary research related to the study of expertise and complex cognitive skills;
5. International development through improved learning systems; and
6. Education policy studies and research.

To obtain further information about LSI, contact LearningSystemsInstitute@fsu.edu. (850) 644-2540.

The institute’s website may be accessed at http://www.lsi.fsu.edu.

Office for Distributed and Distance Learning Interim Director: Sandra H. Calhoun

Main Office: (850) 644-8004

The Office for Distributed and Distance Learning (ODDL) supports online teaching and learning for the Florida State University community, and assists faculty in their pursuit of instructional excellence. ODDL supports on-campus students in enhancing learning through course websites, as well as distance students in completing courses and degree programs via technology; and aids faculty in advancing the design, delivery, and assessment of classroom and web-based instruction. For detailed information, see http://oddl.fsu.edu.

Student Support

ODDL provides graduate students:

• Online support for navigating course websites and using the electronic campus,
• Online resources for improving academic performance,
• Web pages dedicated to online degree programs.

If you need support in using the University’s electronic campus or a course website, instruction and solutions are available online at http://oddl.fsu.edu/student or via e-mail at problems@campus.fsu.edu.

Note: If you are enrolled in an online program and need help with general University business, including registration and financial aid, contact the department, office, or unit that serves on-campus students.

All graduate online courses supported by ODDL are developed and administered under the direction of University faculty members to ensure the same standards of quality pertaining to on-campus offerings. Students in online courses and programs earn the same course credits and degrees as those earned in on-campus courses and programs.

Master’s programs available online include adult education (major in human resource development); business administration; communication disorders; criminology (major in criminal justice studies); educational leadership; information studies; instructional systems (major in open and distance learning); insurance/risk management; mathematics education; nursing; and social work.

For more information on online courses and programs, contact an inquiry specialist at (850) 644-0393 or via e-mail at inquiries@oddl.fsu.edu.

Faculty Support

Electronic campus support. Faculty integrating a course website into an on-campus class or teaching an online course may receive comprehensive support from ODDL in developing, delivering, and managing an online environment. The University has developed one of the most advanced and easy-to-use electronic campuses in the country.

Online teaching workshops for faculty:
• Developing and managing course websites
• Teaching via the Web
• Customized workshops for departments

Online teaching services for faculty:
• Planning, designing, and managing course websites and enhancing face-to-face courses with web support
• Creation of fully online courses
• Ongoing problem solving and support
• Program development
• Tutorials on delivering course websites
• Online teaching and learning resources;

Technical support at http://oddl.fsu.edu/onlinesupport

Learning resources at http://oddl.fsu.edu/learningresources

For more information, contact facultysupport@oddl.fsu.edu.

Instructional development services.

Faculty can further their planning, teaching, technology skills through workshops and individual consultation offered by Instructional Development Services (IDS). IDS also assists graduate teaching assistants in improving their academic leadership and teaching skills.
Instructional services programs:
• Faculty Support: Consults with full-time faculty and offers classroom observation to enhance instruction and integrate technology.
• Program for Instructional Excellence (PIE): Assists graduate teaching assistants in academic leadership and teaching skills.
• Preparing Future Faculty (PFF): Prepares graduate students who anticipate careers in academe through mentoring opportunities with educators and administrators.

Instructional services resources:
• Instructional services and contacts at http://oddl.fsu.edu/instructor/teachingenhancement
• Reference materials on college teaching, higher education, and use of technology in the classroom.
• Camcorders available for instructional analysis.
For more information, contact Walt Wager, wwagger@oddl.fsu.edu.

Digital media production. Faculty who are enhancing online teaching and learning through multimedia are supported by the Digital Media Production Services (DMPS), which offers services ranging from producing online course components to promoting student recruitment and image awareness for distance degree programs. Digital media services include:
• Website design and webcasting
• Digital audio and video production and streaming
• Graphic design, animation, digital imaging and photography, and design and layout of print media
• Developing interactive CD-ROMs
Digital media resources:
• Online request form at http://oddl.fsu.edu/instructor/digitalmedia
• Searchable image database
For more information, contact Joanna Southland, jsouthland@oddl.fsu.edu.

External relations and development. Faculty interested in finding external funding for instructional technologies projects are assisted by the External Relations and Development staff. The staff also seeks strategic partnerships with community colleges and other educational institutions. For more information, contact Carol Hayes, chayes@oddl.fsu.edu.

Assessment services. Faculty and students may receive support for testing, evaluation, and scan reporting needs through Assessment Services (AS). AS also schedules and administers a variety of national, state, and course-related examinations.
Student services:
• Administers test-taking for many national and state testing programs for the convenience of students and the local community, including: CLAST, FTCE, ACT, SAT, L-SAT, M-CAT, and others.
• Provides proctored testing for distance-learning students
Faculty services:
• Mark-sense scanning, and test scoring and analysis
• Administering University and department faculty evaluation instruments (SPOT, e-SUSSAI), and administering national and state testing programs for FSU and the outlying community

• Technical support for data collection and analysis in faculty and student research.
For further information, contact Bonnie Armstrong at barnstrong@oddl.fsu.edu.

Institute for Cognitive Sciences
Acting Director: Dr. R.A. Zwaan
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: Dr. Juliann Woods
The clinic has a dual mission: (a) to provide effective community service that improves the communication abilities of clients; and (b) to provide a teaching and clinical research laboratory that seeks to develop exemplary assessment and treatment procedures for use by our students and professionals in speech-language pathology and audiology. Innovative and relevant theoretical development, research, and services are viewed as unitary; the academic effort, the research effort, and the clinical effort all strive to accomplish one goal: the enhancement of the communicative well being of the clients served.

The Florida State University Center for the Performing Arts
Director of the Conservatory for Graduate Actor Training: TBA
The Florida State University Center for the Performing Arts, located in Sarasota, Florida, is owned and managed by the FSU School of Theatre to support its graduate acting program. The center also houses the Asolo Theater Company, a professional theatre, and the Sarasota Ballet. This theatre is affiliated with the University to enrich the educational experiences of the master of fine arts acting students in residence, and to provide theatre experiences of the highest quality for the Sarasota community and the state. The Sarasota Ballet Company also performs in the center. The acting conservatory maintains its own theatre, an intimate 161-seat facility for University productions. The program is reputed to be one of the finest in America.

Libraries
The Florida State University libraries are the intellectual center of the University, providing students, faculty, and staff with virtual and physical resources and services to facilitate learning, teaching, and research. The Florida State University libraries include the Robert Manning Strozier Library (the main library), the Paul A.M. Dirac Science Library, the Mildred and Claude Pepper Library, the Harold Goldstein Library, the Warren D. Allen Music Library, the Law Library, the College of Medicine Medical Library, and the Career Center Library. Library materials and services also are available at The Florida State University campuses, including the Ringling Museum of Art, the Panama City campus Academic Resource Center, and the study centers in London, Florence, and the Republic of Panama.

The libraries support the University’s educational and research missions through extensive collections and a wide range of services available to the campus community and to distance learners virtually and in person. The libraries’ resources include more than 2,700,000 books and periodicals, over 800,000 government documents, more than 9,000 films, videos, and DVDs, and over 800,000 microforms. Access to over 290 subscription databases, 245,000 e-books, and more than 25,000 journals containing 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 thelibrary’s website, and provides access to the University’s collections. Worldwide information resources are available readily through the libraries via the Internet. Access to materials and resources not held in the University’s collections is available through interlibrary loan and document delivery.

Members of the library staff assist students, faculty, and staff in making the best use of information resources by providing research guidance and information assistance, offering one-on-one instruction and instructional classes, and developing research guides. Professional research assistance is available via the Internet, using chat and e-mail, by telephone and in the library.

A state-of-the-art media center in Strozier Library provides equipment and facilities for listening to, viewing, and editing multimedia as well as libraries, classrooms, and meeting areas. The libraries provide Internet-accessible computers, printers, and photocopiers for convenient use. A computer lab and study room for graduate students is also available for use. Additional computers for research and word-processing are available in a student computer center located in Strozier Library. Adaptive equipment and software for students with disabilities are also 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 all regional depositories 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 website 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 website is located at http://www.lib.fsu.edu/dirac/index.html.

The Mildred and Claude Pepper Library contains the personal and professional papers and mementos of one of Florida’s best-known political couples. Reconstructions of United States Congressman Pepper’s Senate and House offices are in the building. Log on at http://pepper.cph.fsu.edu/library/default.htm for more information.

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 website is located at http://otto.cmr.fsu.edu/~library/home.html.

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.lis.fsu.edu for more information.

The Law Library, operated and directed by the College of Law, has a collection containing over 455,000 volumes and volume equivalents, and approximately 3,800 subscriptions. Legal research is complemented by an array of electronic databases, including the LexisNexis and WESTLAW legal research databases. Log on at http://www.law.fsu.edu/library for more information.

The College of Medicine 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 cirus history items including John Ringling’s original collection of more than 600 books. The library’s website is at 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 is also available from off campus. The ARC librarian provides research assistance in person, by phone, and by email. The 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.

Graduate Education

Dean of Graduate Studies and Associate Vice President for Academic Affairs: Dianne F. Harrison, 408 Westcott Building

Graduate studies at The Florida State University emphasize advanced degree programs that entail extensive research activities and preparation for careers in science, the arts, the humanities, and 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 give graduate students the opportunity to work with these leaders in their fields while furthering their education.

The Dean of Graduate Studies has University-wide responsibility for the quality of graduate education. The graduate policy committee, a faculty committee appointed by the Faculty Senate of the University, is responsible for the formulation of University-wide policies for the governance of graduate education. Within these policies and standards, deans of the various colleges and schools administer their individual graduate programs.

The Office of Graduate Studies assists graduate students in academic matters, offering advice on University-wide degree requirements, thesis and dissertation format, procedures for changing programs, and availability of assistantships, fellowships, and scholarships.

There are approximately 6,851 graduate and law students enrolled at The Florida State University. These students come from approximately 132 foreign countries and all fifty states.

Researchers in many disciplines take advantage of the University’s location in Florida’s seat of government. More than 100 state and federal agencies provide students with opportunities for internships, research, and part-time jobs that match almost all areas of academic interest. Graduate students in such diverse fields as environmental science, urban and regional planning, social work, business, governmental affairs, population studies, public administration, and law are often funded by federal grants and supported by international organizations and have ready access to state government information.

Graduate Life

Located in the center of Tallahassee, the state capital, The Florida State University is well known for its beauty. Familiarly known in its beginning years as the College of the Pines, it still retains its unique mixture of Southern ease with Florida exotic. Collegian Gothic structures are combined with modern architecture set in a landscape of rolling hills with pines, palms, dogwoods and live oaks draped with Spanish moss. Flowering shrubs provide year-round color. Nearby a national forest, a wildlife refuge, lakes, rivers, and the Gulf of Mexico beaches offer opportunities for numerous outdoor pursuits.

The cultural appeal of the University is evidenced through special programs in the arts, including productions from several university and local theaters, operatic and musical (symphonic to jazz) offerings, and art exhibits. For those who enjoy sports, many of the University’s intercollegiate athletic teams regularly rank nationally.

Faculties

It is the official policy of The Florida State University to recruit the most talented faculty from leading centers of learning throughout the world. The University faculty has included 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 Graduate Bulletin.

Affiliations

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

Accreditation

The Florida State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 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 chapter in this Graduate Bulletin.

Carnegie Foundation Classification

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

Since its designation as a university in 1947, The Florida State University has built a reputation as a strong center for research in the sciences, the humanities, and in the arts. During fiscal year 2004, The Florida State University faculty generated $182.7 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 The Florida State University faculty are renowned scholars in their fields. In the natural sciences, The Florida State University is perhaps best known for its basic research programs in physics, nuclear science, chemistry and biochemistry, biology, psychology, meteorology, geology, and geomorphology. Programs in geology, mathematics, computer science, and statistics also have strong research components, both basic and applied. The University also has a joint program in engineering with Florida Agricultural and Mechanical University (FAMU) in Tallahassee.

Special Programs in Research

The National High Magnetic Field Laboratory, which opened in 1994, is one of the nation’s newest research laboratories and 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.

Under the guidance of the laboratory’s chief scientist, Nobel Laureate Robert Schrieffer, 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 magnets and science technology groups, which designs and builds this new generation of magnets. In 1999, the lab brought on-line a new 45-Tesla hybrid magnet, the most powerful magnet of its kind in the world. In summer 2004, the lab commissioned the world’s first ultra-wide bore 900 MHz NMR magnet for chemical and biomedical research. 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.

The Florida State University has established an interdisciplinary School of Computational Science to support education and research, to provide a leading-edge high-performance computational facility, and to contribute to a high level computational culture beneficial to the nation and the state.

The scope of the SCS includes the science and technology of performing, analyzing, and archiving large-scale computations over wide-area networks, and its goal is to employ large-scale computer and network resources in pursuit of scientific and technological research goals. Both the tools and content of computational science are embraced by the educational mission of the school. Through the acquisition of the state-of-the-art computing, visualization, and high-bandwidth connections to other major national centers, SCS provides support for the existing and future user-base of large-scale high-performance computing at The Florida State University.

The Computational and Information Science Laboratory (CISL) provides the infrastructure for the interdisciplinary research and education programs. Through the acquisition and maintenance of the state-of-the-art computing, visualization, and high-bandwidth network connections to other major national centers, the laboratory provides support for The Florida State University’s existing and future user-base of large-scale high-performance computing. A user services staff proactively inculcates a high-performance computing culture through consulting services and short courses.

The Center for Materials Research and Technology (MARTECH) is a collaborative program in materials science involving members of the departments of chemistry, biochemistry, biology, and engineering 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, and a large and evolving materials inventory, 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 enjoys a high national ranking and emphasizes nuclear structure physics; nuclear astrophysics; radioactive beam studies; studies of nuclear reaction mechanisms using polarized Li beams; accelerator based atomic physics; electron scattering; and relativistic heavy ion reactions. A large part of the program in experimental nuclear physics and atomic 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 which 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.

The Institute for Molecular Biophysics is recognized as a national leader in basic, interdisciplinary research in biochemistry and physical chemistry. A large effort based in the IMB is its Program in Structural Biology, begun in 1990. The primary research focus of this group is the elucidation of the three-dimensional structures, conformational changes, and biophysical properties of biological macromolecules using biophysical techniques (e.g. X-ray crystallography, cryoelectron microscopy, electron diffraction, computational modeling, EPR and NMR spectroscopy).

The Florida State University Marine Laboratory is located 45 miles south of Tallahassee in Apalachee Bay. The laboratory 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 The 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 and meteorologists in research focusing on the impact of tropical and mid-latitude ocean dynamics on global weather patterns. COAPS scientists specialize in 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 Resource 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.

The Institute of Molecular Biology, a collaboration of faculty from the Departments of Biological Science, Chemistry and Biochemistry, Mathematics, 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 correlations 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, cryo-electron microscopy, mass spectrometry, computer-based molecular modeling, electron paramagnetic resonance, fluorescence, laser and NMR spectroscopies. Graduate study 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 geological investigation is the preservation of the sediment collected on research expeditions. One of the largest deep-sea sediment cold storage facilities, the Antarctic Research Facility, is located at the University. The facility, holding more than 10 miles of Antarctic core samples, operates as a worldwide resource for scientists both on campus and throughout the world.

The Geophysical Fluid Dynamics Institute provides trans-disciplinary theoretical, experimental, numerical, and observational studies of dynamical processes in the atmosphere, oceans, and the interior of the Earth and other planets, conducted by faculty and students in applied mathematics, dynamic meteorology, engineering, geology, geophysics, and physical oceanography. The institute's experimental facilities include a well-equipped fluid mechanics laboratory, and electronics development laboratory, a precision machine shop, a 6-meter water channel, and several precision rotating turntables including a unique rotating annulus to simulate the general circulation of planetary flows. The institute houses a facility for measuring ocean turbulence as well.

All aspects of child behavior and learning are researched in the The Florida State University 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 areas of health and human services are accommodated by the Institute for Health and Human Services Research. This institute currently 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 The Florida State University for both research and instruction. Academic Computing and Networking Services (ACNS) manages a high-speed network that connects computers throughout the University to each other and to the world. ACNS also provides wireless connectivity to the network from most locations on the FSU campus. In addition to the global Internet, The Florida State University participates in Internet 2, a special high-capacity national network for academic and research purposes.

ACNS provides accounts for computer and Internet access to all students, faculty, and staff. ACNS 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.acns.fsu.edu.

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

The Center for Music Research (CMR) exists to foster research and publication and provides a support system for graduate education, faculty and student research, post-doctoral study, and occasional workshops, symposia, and visiting scholars. The aims include developing new knowledge about music, music education, music therapy, and related areas through scholarly inquiry. Research programs in all music phenomena are encouraged and include the following: music perception and cognition, music skill acquisition, music listening, music and emotion, music acoustics and psychoacoustics, instructional techniques, music education and therapy applications, pedagogy and other topics.

The John and Mable Ringling Museum of Art located in Sarasota, Florida, is the designated State Museum of Florida. Recently the Legislature shifted administration of the museum to The Florida State University in recognition, in part, of the growing trend to maximize the educational 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, Ca’ d’Zan, the Ringling Mansion, and the Circus Museum. Together with The Florida State University Performing Arts Center, which lies adjacent to the art museum, it holds center stage for The Florida State University Ringling Center for the Cultural Arts which was created by the Florida Legislature in the year 2000.

The Florida State University Institute of Science and Public Affairs is a multifaceted institute of public service and applied research which 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 The 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, as well as 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 PROGRAMS

International Commitment

The 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 our 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 urgent that the teaching, research, and service of The 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 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 The Florida State University students who have studied overseas play an important role.

To accomplish these goals, The 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.

The 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: Roberta Christie, International Center

Beyond Borders is a university-to-university exchange program that provides opportunities for students to engage in intensive, short-term intercultural experiences while performing community service. Currently, The Florida State University has exchanges with the University of Costa Rica, Atlantic Branch (Turrialba, Costa Rica) and the University of the West Indies, Mona Campus (Kingston, Jamaica). Participants live with local families or in university facilities and serve as volunteers in projects organized by the host institutions, which also arrange for housing and most meals. Air travel, required health insurance, special trips and some administrative costs are paid by participants. All Florida State University students are eligible to apply; groups are limited to 10-12 students. 107 South Wildwood, Tallahassee, FL 32306-4240; (850) 644-1702; rchristi@admin.fsu.edu; http://www.fsu.edu/~fsu-tsc

International Programs

Director: James E. Pitts;
Associate Director: Michele E. Ceci;
Assistant Directors: Mary A. Balthrop, Joan W. Cassels

The Florida State University offers a wide variety of opportunities for students to study overseas. Students learn not only from their exposure to the cultural resources of the host countries but also through 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 Valencia, Spain since 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 include 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, the humanities, Italian language, and politics. In Valencia, courses are offered in Spanish language, literature, and civilization as well as art, business, English literature, the humanities, and music. The FSU-Panama campus offers courses in a variety of 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. The London center offers courses in the areas of art history, education, English literature, 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 English literature, international affairs, choral and instrumental music education, global sport management, theatre, graphic design, education technology, textiles, apparel, and merchandising, and world museums. Internships in a variety of areas are offered in London, Valencia, and Panama.

In addition to our Study Centers, International Programs offers programs in many of other locations. These include: Belgium, Belize, Brazil, China, Costa Rica, Croatia, Czech Republic, France, Greece, Ireland, Japan, Russia, Switzerland, and Vietnam. 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. International Programs is constantly adding to and updating our program offerings and locations. Visit our website at http://www.international.fsu.edu for more information.

Other Programs

Archaeology Programs in Italy

Director: Nancy T. de Grummond

The Department of Classical Languages, Literature and Civilization conducts archaeological excavations at two Etruscan/Roman sites in Italy—Cetamura del Chianti, near Siena, and San Venanzo, near Orvieto. Each summer the department sponsors field schools of approximately six weeks at these sites. The field schools are open to students from colleges and universities throughout the state of Florida and constitute a significant part of the master’s degree program with a concentration in classical archaeology. For further information, contact the Department of Classical Languages, Literature and Civilization, 205 Dodd Hall.

Florida–Costa Rica Institute

Co-director: Joan W. Cassels

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

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

The 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

The 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 website at http://www.law.fsu.edu/academic_programs/international_law.
ACADEMIC DEGREE AND CERTIFICATE PROGRAMS

The Florida State University offers degree programs through the following colleges and schools. Consult the college or school 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**

- 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  M D
- Biostatistics  M
- Chemical Physics  M D
- Chemical Science  B
- Chemistry  B M D
- Classical Languages and Literature
  - Classics  B M D
  - Greek  B M
  - Latin  B M
- Computer and Information Science  B M D
- English  B M D
- Geology  B M D
- 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:
  - French  B M D
  - 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

**Graduate Certificate in**

- Archival Studies (History)  M/S D
- Cognitive Science (Psychology)  M/S D
- Critical Theory (English)  B M S D
- Editing and Publishing (English)  B M S D
- Information Systems Security Professionals  M/S D
- Interdisciplinary Humanities  M/S D
- Latin American and Caribbean Studies  M/S D
- Museum Studies: Anthropology  M/S D
- Museum Studies: Classics  M/S D
- Museum Studies: History  M/S D
- Museum Studies: Humanities  M/S D
- Oceanography  M/S D

**Undergraduate Studies, Division of**

- Associate in Arts Certificate

**College of Business**

- Accounting  B M
- Business Administration  B M D
- 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**

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

**School of Criminology and Criminal Justice**

- Criminology  B M D

**College of Education**

- Adult Education  M/S D
- Comprehensive Vocational Education  S D
- Counseling and Human Systems  M/S
- Counseling Psychology and Human Systems  D
- Early Childhood Education  B M/S D

**FAMU—FSU College of Engineering**

- 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

- Graduate Certificate in**
  - Water and Environmental Resources Engineering  M D
College of Human Sciences

Athletic Training and Sports  B  M
Medicine  B  M
Clothing, Textiles and Merchandising  B  M
Family, Child and Consumer Sciences  B  M
Family and Consumer Sciences Education  B  M
Food and Nutrition  B  M
Human Sciences  B  D
Marriage and the Family  D
Movement Science  M/S  D

Certificate in Residential Development, Undergraduate/Graduate
Graduate Certificate in Apparel Design
Graduate Certificate in Museum Studies: Textiles and Consumer Sciences
Graduate Certificate in Residential Development
Graduate Certificate in Retail Merchandising

College of Information

Information Technology  B
Library and Information Studies  M/S  D

Graduate Certificate in Museum Studies: Information Studies
Graduate Certificate in Youth Services

Interdisciplinary Programs

Aging Studies  M
American and Florida Studies  B  M
Asian Studies  B  M
Epidemiology  M
Health Policy Research  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  M

College of Law

American Law for Foreign Lawyers  M
Law  P

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

College of Medicine

Biomedical Sciences  D  P
Medicine  P

School of Motion Picture, Television, and Recording Arts

Motion Picture, Television and Recording Arts  B  M

College of Music

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

Certificate in Jazz Studies
Certificate in Performance
Certificate in Church Music, Undergraduate/Graduate Vocal
Operational
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 Theory Equivalency, Undergraduate/Graduate
Graduate Artist Certificate in Performance (opera, piano, violin, viola, violoncello)
Graduate Certificate in Arts Administration
Graduate Certificate in College Teaching
Graduate Certificate in Music Education and Leadership
Graduate Certificate in Music of the Americas
Graduate Certificate in Organ/Harpsichord Performance
Graduate Certificate in Pedagogy of Music Theory

School of Nursing

Nursing  B  M

College of Social Sciences

Aging Studies  M
Applied Social Research  M
Asian Studies  B  M
Demography  M
Economics  B  M  D
Geography  B  M  D
Health Policy Research  M
International Affairs  B  M
Political Science  B  M  D
Public Administration  M  D
Public Administration/Health Policy Research  M  P
Public Administration/Urban and Regional Planning  M
Russian and East European Studies  B  M
Social Science  B  M
Sociology  B  M  D
Urban and Regional Planning  M  D
Urban and Regional Planning/International Affairs  M  P

Certificate in African-American Studies
Certificate in Aging Studies, Undergraduate/Graduate
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

College of Social Work

Social Work  B  M  D

Certificate in Aging Studies, Undergraduate/Graduate
Certificate in Arts and Community Practice, Undergraduate/Graduate
Certificate in Child Welfare Practice, Undergraduate/Graduate
Graduate Certificate in Family Social Work Practice

School of Theatre

Theatre  B  M  D

Graduate Certificate in Museum Studies: Theatre
Graduate Certificate in Theatre Administration and Management

School of Visual Arts and Dance

Arts Administration  M
Art Education  B  M/S  D
Art, History and Criticism of  B  M  D
Graphic Design  B
Dance  B  M
American Dance Studies  M
Interior Design  B  M
Studio Art  B  M

Certificate in Arts and Community Practice: Art Education, Undergraduate/Graduate
Certificate in Arts and Community Practice: Dance, Undergraduate/Graduate
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

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

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.
ADMISSIONS

Directors of Admissions: Janice Finney; Associate Director: Hege Ferguson; Assistant Directors: Linda Bodiford, Melanie Booker, Donna Bostwick

General Policies

The 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 The 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. Preference for admission to any term will be given to those applicants whose credentials indicate the greatest promise of academic success in their chosen program of study.

An application for admission may be obtained from the Office of Admissions, The Florida State University, and at http://admissions.fsu.edu-online.

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.

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, as admission is not automatically deferred to a future term.

Offers of admission to the University are often contingent upon the subsequent receipt of official college or university transcripts indicating satisfactory performance and verification of baccalaureate and master’s degrees. Failure to submit such documents before the end of the second week of classes of the initial academic term will result in the loss of registration privileges for any subsequent term until the delinquent documents have been received.

An application or residency statement submitted by or on behalf of a student that contains false, fraudulent, or incomplete statements may be considered official. Transcripts are considered official when they are sent directly to the Office of Admissions from the institution attended. All academic records sent to other institutions. The University does not consider official. They are not considered official. Detail information may be obtained at the following website: http://www.ets.org.

Departmental Requirements

Some departments have additional requirements such as auditions, portfolios, letters of recommendation, departmental applications, personal interviews, and diagnostic testing. Applicants should contact the department directly regarding any special requirements.

Certification of Finances (International Applicants)

Certification of finances must be completed before the Certificate of Eligibility (Form I-20 or DS-2019) is issued. 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 form must be completed, signed by the sponsor, and verified by the sponsor’s bank or financial institution. The total amount of funds available to the student must be listed for each year and must equal the total estimate of institutional costs and living expenses. All questions on the Certification of Financial Responsibility form must be accurately answered to avoid unnecessary delay in processing.

College Transcripts

Two (2) 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.

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 The Florida State University credit and related degrees.

Every student must complete in its entirety the student health history form provided by the Office of Admissions when admission is granted. The form must be forwarded to the Thagard Student Health Center prior to registration. The Florida State University reserves the right to cancel the admission or readmission of any applicant whose health record indicates the existence of a condition which may be harmful to members of the University community.

Admission Policies

The completed application for admission and a nonrefundable fee payable to The Florida State University by the appropriate deadline specified below, will result in denial of admission or denial of further eligibility for applications and supporting documents for graduate applicants with United States citizenship or permanent resident status are:

<table>
<thead>
<tr>
<th>Desired Term</th>
<th>Application and Document Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>July 1</td>
</tr>
<tr>
<td>Spring</td>
<td>November 1</td>
</tr>
<tr>
<td>Summer</td>
<td>March 1</td>
</tr>
</tbody>
</table>

The final deadlines for applications and supporting documents for international graduate students are:

<table>
<thead>
<tr>
<th>Desired Term</th>
<th>Application and Document Deadline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall</td>
<td>May 1</td>
</tr>
<tr>
<td>Spring</td>
<td>September 1</td>
</tr>
<tr>
<td>Summer</td>
<td>February 1</td>
</tr>
</tbody>
</table>

College Transcripts

Two (2) 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.

Original documents or signed, officially certified photocopies of original documents may be submitted by the student only when institutions outside the United States will not send academic records to other institutions. The verifying signature should be that of an officer of the institution attended. All academic records that are not in English must be accompanied by certified English translations.

Test Scores

Official test results from the Graduate Record Examinations (GRE) are required of all applicants except those students requesting admission to the College of Business. Official test scores from the Graduate Management Admission Test (GMAT) are required of all applicants for the College of Business. The GRE or GMAT scores are considered official only when they are sent directly to the Office of Admissions from the Educational Testing Service. Examinee copies are not considered official. Detail information may be obtained at the following website: http://www.ets.org.

International applicants whose native language is not English must take the Test of English as a Foreign Language (TOEFL). TOEFL scores are considered official only when they are sent directly to the Office of Admissions from the Educational Testing Service. Examinee copies are not considered official. Detail information may be obtained at the following website: http://www.ets.org.

Departmental Requirements

Some departments have additional requirements such as auditions, portfolios, letters of recommendation, departmental applications, personal interviews, and diagnostic testing. Applicants should contact the department directly regarding any special requirements.

Certification of Finances (International Applicants)

Certification of finances must be completed before the Certificate of Eligibility (Form I-20 or DS-2019) is issued. 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 form must be completed, signed by the sponsor, and verified by the sponsor’s bank or financial institution. The total amount of funds available to the student must be listed for each year and must equal the total estimate of institutional costs and living expenses. All questions on the Certification of Financial Responsibility form must be accurately answered to avoid unnecessary delay in processing.

Admission Policies

Admission to graduate study involves acceptance to the department or school in which the applicant expects to study. Final admission to the University is subject to approval by the Office of Admissions. While there are minimum University admission requirements, established by the State Board of Education, Division of Colleges and Universities, the departments can, and frequently do, exceed those standards. It is recommended the student determine departmental requirements first.

In order to meet minimum University admission requirements, the applicant must have, or be a candidate for, a baccalaureate degree or equivalent from a regionally accredited institution and meet at least one of the following criteria: 1) Have earned a minimum 3.0 (on a 4.0 grading scale) grade point average in all work attempted while registered as an upper-division student working toward a baccalaureate degree, or 2) Have earned a minimum score of 1000 on the combined verbal and quantitative portions of the GRE or a minimum score of 470 on the GMAT (College of Business applicants only), or 3) Have earned a graduate degree from a regionally accredited institution. A student who is not in good standing at the last institution attended will not be admitted for graduate study.

An applicant who has not graduated from a regionally-accredited institution may be
considered for admission as a provisional graduate student. For information on provisional graduate status, see the subsection on ‘Provisional Graduate Students’ in this chapter.

International applicants whose native language is English are not required to have a score of 550 or higher on the paper-based, or 213 or higher on the computer-based TOEFL examination. Some departments require a higher score. International students expecting to receive appointments as teaching assistants are required to pass a test of spoken English as well. (Effective September 2005, ETS will begin administering a new internet-based TOEFL.)

Teacher Education Programs

Section 1004.04, Florida Statutes, Public Accountability and State Approval for Teacher Preparation Programs and State Board of Education Rule 6A-5.5066 require that all students seeking admission into graduate teacher education programs at The Florida State University must achieve an overall GPA of 3.0 on the combined aptitude portions of the Graduate Record Examinations (GRE) or pass all sections of the Florida CLAST (waivers or other alternative means of meeting this requirement are not acceptable), or pass the General Knowledge Test.

All students planning to pursue a teacher education program at The Florida State University must be formally admitted to teacher education. Admission to the education program is administered by the Dean of Education and assigned to the Office of Academic Services, 108 Stone Building. Admission to teacher education is distinct from admission to a college or school in that students must meet State of Florida admission criteria. For details on the criteria for admission to teacher education, the student should refer to the ‘Planning Guide to Teacher Education Programs’ section in the “College of Education” chapter of this Graduate Bulletin.

Total program length 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 and State Board of Education Rule 6A-5.5066, Approval of Preservice Teacher Preparation Programs.

Provisional Graduate Students

A student who has filed an application for admission to a graduate degree program, but who has not been admitted as a regular graduate student, may, under certain conditions, be admitted as a provisional graduate student with the consent of the department chair. The Office of Admissions will notify the student by letter of acceptance in this category and will include an appropriate explanation of the meaning of the provisional classification. The student will be admitted to the appropriate major and division and will register in the same manner as a degree-seeking student. Under no circumstances will the student remain in the provisional classification for more than one semester.

A provisional graduate student who meets the minimum admission requirements of the State Board of Education may be changed to regular graduate status upon request by the department chair for the following semester or a future semester. A provisional graduate student who does not meet the State Board of Education requirements must have taken at least nine (9) semester hours of graduate-level course work (excluding S/U courses) during the semester on provisional status and must have earned a 3.0 average on all courses. Upon regular admission the applicant will be counted as an exception.

A provisional graduate student is subject to the retention and dismissal regulations appropriate to a regular graduate student. If a provisional student is changed to a special (non-degree seeking) status after incurring probationary status, the permanent record will contain the probationary status statement but the student will not be subject to further retention review as a provisional student.

A provisional graduate student who is changed to special student status and subsequently seeks admission to regular graduate status must comply with the policies established for special students who change to regular graduate student status. For information on the special student classification, see the subsection on ‘Special (Non-Degree Seeking) Students’ in this chapter.

Graduate work taken while in provisional status will apply toward the student’s graduate program if the student changes directly from a provisional student classification to a regular graduate classification, unless the academic dean directs to the contrary. Graduate work taken by a provisional graduate student who changes to a special student classification shall be considered as acquired while in special status. The subsequent transfer of such credit to a graduate degree program shall be subject to the policies of reclassification from special student to regular student status.

The files of provisional graduate students will remain in the Office of Admissions until the student is changed to a regular graduate or postbaccalaureate special classification, or until the student is denied regular admission. All classification questions should be directed to the Office of Admissions.

Readmission

Returning graduate 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 graduate degree from the University and wish to enroll in a second graduate program; 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 former students are subject to retention and dismissal regulations in effect at the time of reenrollment. In addition, students claiming Florida residency must reestablish their eligibility for this classification when applying for readmission.

Students who attempt college work (including correspondence work) at any college or university since their last enrollment at The 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 or transcripts submitted by the applicant are not considered official.

Returning graduate degree-seeking students who have been absent from the University for seven or more years or former provisional graduate students must make application to the Office of Admissions, according to the procedures prescribed for new admission.

The readmission application and all supporting documents should be submitted at least sixty (60) days prior to the beginning of the term for which readmission is desired. (Consult the “University Calendar” chapter of this General Bulletin for specific deadlines.)

Admission/Readmission Appeal Procedure

Applicants to graduate programs who meet minimum standards of admission to the State of Florida, Division of Colleges and Universities system and who are denied admission or readmission to a graduate program may request reconsideration of their applications. The following procedures shall apply for all applicants who seek review of an admission or readmission decision:

1. Written requests for reconsideration must be received by the Office of Graduate Studies within thirty (30) days of the date of the letter of denial. Specific reasons for the request must be included and supporting evidence, in writing, should be included with the request;
2. The Office of Graduate Studies shall forward the request for reconsideration to the appropriate academic department within three (3) working days;
3. The request for reconsideration shall be reviewed by a standing committee of the appropriate academic department. The committee shall be composed of members of the graduate faculty and at least one graduate student. The committee shall review the request for reconsideration within thirty (30) days of receipt of the request by the academic department.

Decisions by the committee shall be immediately forwarded to the Office of Graduate Studies, and the Office of Graduate Studies shall notify the applicant of the decision within seven (7) days of the committee’s decision. This decision shall be final and there shall be no further appeals.

Applicants to graduate programs who do not meet minimum standards of admission to the State of Florida, Division of Colleges and Universities system and who are denied admission to a graduate program may request reconsideration of their applications. A limited number of admission exceptions are available at the discretion of the academic dean having jurisdiction over the program of study. Any appeal for admission by exception should be made directly to the academic dean.
Admissions

Readmission After Multiple Withdrawals
When a student has withdrawn three (3) or more times from the University, subsequent re-admission will first be considered by a committee whose charge is to assess the student's capability of making satisfactory progress to 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.

Second Graduate Program
A student who has completed one graduate degree program at the Florida State University must seek the approval of the approved department before undertaking a second graduate program. Readmission is through the Office of Admissions. Work taken without such approval will not count toward a graduate degree.

Special (Non-Degree Seeking) Students
A non-degree-seeking student is granted the title "special student" for registration privileges. Admission as a special student is subject to approval and may be open to post-baccalaureate students for either undergraduate or graduate course work provided the student is in good academic standing at the last attended institution. Registration is on a space-available basis and, in some cases, may require departmental approval. 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.

The completed special student application must be accompanied by a $30.00 nonrefundable application fee, payable to The Florida State University, and all supporting documents. Special student applications should be submitted for consideration at least one semester prior to the desired term of enrollment. Deadline dates are two months prior to the beginning of each term.

A special student at the 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 graduate student upon meeting regular graduate admission requirements. Enrollment as a special student does not guarantee admission to a graduate program.

Work taken as a special student does not automatically carry graduate degree credit; however, if the work is taken within the time limits prescribed by the degree program and approved by the department chair and dean, up to twelve (12) hours of graduate-level credit with a grade of "B" or better in each course may count toward the degree, provided the student qualifies for admission to a graduate degree 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.internationalcenter.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.

Transient Graduate Students
A graduate student seeking a degree from a university other than The Florida State University may register for course work at the graduate level as a transient student. Transient students must receive prior approval from their graduate deans for the courses to be taken for transfer to their home institutions. The transient application, with tuition and will pay tuition and/or registration to the Office of Admissions. Transient applications can be found at http://www.admissions.fsu.edu.

Postdoctoral Students
A postdoctoral student may register for course work upon the request of the department in which courses are to be taken. The postdoctoral forms, available through the Office of Admissions, will be signed by the departmental chair and sent to the Dean of Graduate Studies for postdoctoral registration approval. Registration is through the Special Students section of the Office of Admissions. While no application fee, transcripts, or GRE scores are required, tuition and fees must be paid.

Traveling Scholar Program
The University participates in a traveling scholar program which enables a graduate student to take advantage of special resources available on another campus but not available on the home campus, such as special course offerings, research opportunities, unique laboratories, and library collections.

A traveling scholar’s graduate adviser will approach an appropriate faculty member at the proposed host institution and recommend the scholar for a visiting arrangement. After agreement by the student’s adviser and the faculty member at the host institution, graduate deans of both institutions will be fully informed by the adviser and have the power to approve or disapprove. A student will register at the host institution and will pay tuition and registration fees according to fee schedules established at that institution. Credit for the work taken will be recorded at the home university.

Each university retains its full right to accept or reject any student who wishes to study under the auspices of a traveling scholar. A traveling scholar will normally be limited to one term on the campus of the host institution. A traveling scholar accepted by the host institution will be regarded as being registered at that institution for the period.

A traveling scholar is not entitled to displacement allowance, mileage, or per diem payments. The home university, however, may at its option continue its financial support of the traveling scholar in the form of a fellowship or graduate assistantship with any work obligation to be discharged either at the home or at the host institution.

Academic Common Market
The academic common market is an interstate agreement among southern states for sharing academic programs. Participating states enable their residents who qualify for admission to enroll in specific graduate programs in other states on an in-state tuition basis. Arrangements traditionally are limited to unusual programs or programs not offered within the state of residence. To enroll as an academic common market student an applicant must obtain certification from the common market coordinator in the student’s home state. Students must be admitted to the appropriate degree program by the Office of Admissions, and the letter of certification must be received in the Office of the University Registrar before the first day of classes for the effective term. For information on the state’s authorization of programs or on the identity of the coordinator for a particular state, contact the Office of the University Registrar or Southern Regional Educational Board, 592 Tenth Street N.W., Atlanta, GA 30318-5790; (404) 875-9211. For information about The Florida State University’s programs participating in the Academic Common Market, contact the Office of the Dean of the Faculties, 314 Westcott, (850) 644-6876.

Cooperative Programs in the State of Florida, Division of Colleges and Universities
Cooperative graduate degree programs may be established in which the faculties of two or more of the universities within the State of Florida, Division of Colleges and Universities system join in offering a degree program in a particular discipline. The degree is given by the university authorized by the State Board of Education to offer it, but course work and faculty participation within agreed upon limits can occur on the campus of either or any of the participating universities. For information on possibilities in a particular discipline, students should contact the academic department.

International Applicants
Notice of Admission
Formal notification of admission to The Florida State University is sent by 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 has been granted and all required financial documentation has been 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.

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 and guarantee that they will receive funding for the duration of the program. Unless applicants show written evidence of having financial support for the entire time required to complete the degree program, they will not be granted a student visa.
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 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. Students often assume, incorrectly, that additional financial assistance (including scholarships) or part-time employment will be available. 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 either did not plan ahead or 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 minima and are subject to change. 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 or family ($5,000 for spouse and $3,000 for each child per year). 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, daughter). Approximately one-half of the estimated total amount should be available at the beginning of each semester since University fees must be paid upon registration at the start of the semester. Registration fees and out-of-state tuition* are $19,800, books and supplies are $725, room and board** is $9,240, insurance*** is $1,159, and miscellaneous expenses are $2,000, for a total of $32,924.

Graduate students are required to complete and submit a health history form which includes the requirements that pertain to the Tallahassee area.

**On-campus housing only. Off-campus housing costs are considerably higher.

***All international students who are admitted to the University must maintain health insurance coverage for the duration of their enrollment. Dependents of international students in “F” visa status also are required by federal regulations to have health insurance coverage for the duration of their stay in the United States. Current estimated annual health insurance costs: student-$1,159; spouse-$3,995; once child-$1,472; all children-$2,831. Note: international applicants are encouraged to visit the website http://admissions.fsu.edu/intl for current costs.

PAssports and Visas

International applicants will 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. Before applying for a visa, all new F-1 applicants must first pay a Student and Exchange Visitor Information System (SEVIS) fee of $100.00. The fee may be paid online or by mail. Instructions and online payment options are available at http://www.fmjfee.com/index.html. For more detailed information, please visit the Immigration and Customs Enforcement (ICE) website at http://www.ice.gov/graphics/visas/i901/index.htm or the International Center website at http://www.internationalcenter.fsu.edu. Visa applicants should take their passport, Certificate of Eligibility (Form I-20 or DS-2019) issued by The Florida State University, SEVIS fee receipt, and proof of adequate financial support for studies and living expenses to the nearest United States Embassy/Consulate.

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 will be granted upon presentation of a Certificate of Eligibility (Form I-20 for the F-1 visa and Form DS-2019 for the J-1 visa that is typically granted to government-funded students) and proof that sufficient financial support to cover all expenses for the entire period of study in the United States is available. Graduate students holding F-1 or J-1 visas are normally required to carry from nine (9) to twelve (12) semester hours each semester, depending on the requirements of their department and the terms of any teaching or research assistantship.

Health Insurance

The University’s Thagard Student Health Center provides basic outpatient care. Because students are likely to incur costs for medical care beyond what is 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 to purchase health insurance coverage for them. For more information regarding health insurance, contact the Thagard Student Health Center (850) 644-4250, http://www.tsthc.fsu.edu.

The International Student Adviser, in consultation with the International Student Orientation, the Office of Graduate Studies and most departments hold orientation sessions for new graduate students the week before classes start. (Incoming international students are not allowed to register until they arrive in Tallahassee, present their immigration documents to the International Center, attend the International Student Orientation, obtain health insurance coverage, and submit their medical history form to the Thagard Student Health Center.)

New federal reporting requirements make it essential for international students to enroll in a full course of study, stay in close communication with the International Student Adviser, and report any changes of study to the International Center. Prior to arrival to the United States, students may do this in their home country or at the United States at a school that offers an intensive English language program. The 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.fsu.edu/~cies.

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

International Center

International students who have been formally admitted to the University and who have submitted the appropriate financial information will receive an International Student Orientation packet. In addition to the International Student Orientation, the Office of Graduate Studies and most departments hold orientation sessions for new graduate students the week before classes start. (Incoming international students are not allowed to register until they arrive in Tallahassee, present their immigration documents to the International Center, attend the International Student Orientation, obtain health insurance coverage, and submit their medical history form to the Thagard Student Health Center.)

New federal reporting requirements make it essential for international students to enroll in a full course of study, stay in close communication with the International Student Adviser, and report any changes of study to the International Center. Prior to arrival to the United States, students may do this in their home country or at the United States at a school that offers an intensive English language program. The 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.fsu.edu/~cies.

Policies & Information

The same policies, procedures, and requirements that pertain to the Tallahassee campus apply to the Panama City campus.

Admission information can be obtained from: Office of Admissions, The Florida State University, 4750 College Drive, Panama City, FL 32403-1099 or at the following website: http://www.pc.fsu.edu.
College of Law Admissions

For information regarding the College of Law and for receipt of a complete application packet, interested students should contact: Office of Admissions, College of Law, The Florida State University, Tallahassee, FL 32306-1601 or at http://www.law.fsu.edu.

College of Medicine Admissions

Primary application for admission to the College of Medicine should be made to the American Medical College Application Service (AMCAS). For information regarding the secondary application and admission to the College of Medicine, interested students should contact: Office of Admissions, College of Medicine, The Florida State University, Tallahassee, FL 32306-4300 or at http://med.fsu.edu.


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

University Controller: Thomas Harrison; Director: Marcia Murphy

Tuition and Fees

Fees are established by the Florida State University Board of Trustees and the Florida State Legislature and are subject to change without notice. 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, the student’s schedule, and whether the student is a resident of the state of Florida. Students should review their Student Assessment Payment Schedule to verify the accuracy of the charges. The amount of tuition due is usually available during registration via telephone or the web. However, because Fall semester tuition must be reviewed by the legislature, there is a delay in posting this amount. Fall fees should be available in mid-summer. 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. All payments will be applied to current tuition first and then to the oldest debt, unless specified at time of payment.

Residency Requirements for Tuition Purposes

At The 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 6C2-2.02416. These offices are: 1) the Office of Admissions, 2) Law School 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 first-time-on-campus students; the Office of the University Registrar. The following documents will be considered in determining legal residence:

a) Declaration of domicile.
b) Proof of purchase of a home in Florida which you occupy as your residence.
c) Proof that student has maintained residence in the state for the preceding year (e.g., rent receipts, employment records).
d) Florida voter’s registration.
e) Financial information, tuition, fees, aid, scholarships, and employment．
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 which 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 12-month period.

Or

Be a member of the Armed Forces on active duty stationed in Florida or whose home of record is Florida, or a spouse or dependent.

Or

Be a member of the full-time instructional or administrative staff of a state public school, community college, or university in Florida, or a spouse or dependent.

Or

Be an active-duty member of the armed services of the United States or a spouse 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 and have lived five years with an adult relative who has established legal residence in Florida.

Or

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

And
semester in advance of the registration date for that semester. Current information is available on the Internet at http://www.sfs.fsu.edu.

Students are assessed fees based on the level of the course as established by the State Board of Education and the Florida State Legislature. Rates applicable to the main campus for Fall term, 2004, and Spring and Summer terms, 2005, are used as a basis for estimating course charges per credit hour for Florida and non-Florida residents. Fees applicable to 2005–2006 and 2006–2007 had been confirmed by the Florida Legislature at the time of the publication of this document.

### Actual Course Fee Charge Per Credit Hour 2004–2005 Schedule

<table>
<thead>
<tr>
<th>Course Level</th>
<th>Florida</th>
<th>Non-Florida</th>
</tr>
</thead>
<tbody>
<tr>
<td>Students</td>
<td>$96.35</td>
<td>$513.23</td>
</tr>
<tr>
<td>Students</td>
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<td>$820.10</td>
</tr>
<tr>
<td>Law</td>
<td>$245.25</td>
<td>$912.33</td>
</tr>
</tbody>
</table>

### Special Fees, Fines, and Penalties

#### (All fees subject to change)

**Application Fee:** $30.00. Applicants for admission are assessed a nonrefundable application fee.

**Admissions Deposit:** $200.00. Upon notification of admission, incoming students are assessed a nonrefundable admissions deposit.

**New Student Orientation Fee:** $25.00. 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 period provided under the academic calendar.

**Late Payment Fee:** $100.00. (Rate subject to change.) 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,” published in the Registration Guide).

**Florida State University Identification Card (FSUCard):** $10.00. This fee is assessed against first-time FSUCard recipients. This fee may be paid when tuition is paid.

**Replacement FSUCards:** $15.00. A fee for the replacement of a lost card is assessed against 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 transcript requested.

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

#### Transportation Access Fee: $4.90 per credit hour. (Rate subject to change.) This fee is charged against 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://www.sfs.fsu.edu/parking.

**Returned Checks or Electronic Payments Charge:** $25.00 or five percent (5%) of the amount of the check/electronic payment, whichever is greater (rate subject to change). A returned check/stop payment charge is assessed against a student’s account who has a check or electronic authorization for payment returned by the bank to The Florida State University. The 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 against a Florida resident graduate credit hour, unless also enrolled in other credit courses at The Florida State University during the same academic term.

### Tuition and Instructional Fees

The "University 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 proposed rates; however, since the Graduate Bulletin must be published in advance of its effective date, it is not possible to anticipate changes, and the fee schedule may be revised. Every effort will be made to publicize changes for any student submitting a thesis or dissertation is assessed a nonrefundable dissertation fee. A student submitting a thesis or dissertation is assessed a nonrefundable applications and fees. The dissertation fee is assessed from the day forward. Note: Notification will be given to the student via mail to the address on the check or to the last maintained address in The 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 within seven (7) working days with cash, money order or cashier’s check. The 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 an ETD fee at cost. In addition, doctoral students submitting a dissertation are assessed a microfilming fee and may pay a copyright fee, if desired.
**Financial Information**

**Graduate Tuition and Fees**

Graduate In-State Graduate Out-of-State

<table>
<thead>
<tr>
<th>Tuition/fees</th>
<th>$3,568</th>
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<tr>
<td>Housing</td>
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<tr>
<td>Food</td>
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</tr>
<tr>
<td>Books &amp; Supplies</td>
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<td>$725</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
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<td>$29,765</td>
</tr>
</tbody>
</table>

**Note:** international students should refer to the “Admissions” chapter of this Graduate 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. Grades and credit are not valid until all financial obligations are satisfied. 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 third-party arrangement. The Florida Prepaid Plan 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 or the tuition payment plan. 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, including those receiving financial aid, must be submitted by the fifth day of the term. Students can view the amount of their tuition and fees due on the Internet at [http://www.fees.fsu.edu](http://www.fees.fsu.edu) or when they register for classes by telephone or through the web. Other options include kiosks located on the first floor of University Center—A Building, calling (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 and when paying in person. The Florida State University does not accept two party checks or foreign checks for payment. Make checks payable to Florida State University and include the student’s social security number, local phone and address on each check. Payment methods are described below. Credit card and debit card payments can be made through the Internet at [http://www.fees.fsu.edu](http://www.fees.fsu.edu) or at kiosks located around campus.

**Automated Debit to FSUCard for Tuition Payment.** The Florida State University offers a free online payment service to students with FSUCard accounts at SunTrust for the payment of tuition and fee payments. Students may authorize charges to be deducted from their FSUCard bank account by going to the online billing feature at [http://www.fees.fsu.edu](http://www.fees.fsu.edu) and clicking on the option: “Would you like information about automatic debit payment from your FSUCard?” This payment option is available for a limited time and certain restrictions are applied. Additional information is available on the Internet.

**Installment Contracts.** 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 semester). 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. Failure to pay the balance of tuition by the due date will result in a late fee payment and a financial hold on your account. Students should review the agreement to initiate the installment agreement. A $10.00 fee 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 in full for such a course will result in the assessment of a late payment fee. Installment contracts may be initiated through the mail or drop box, with a letter attached requesting the installment contract. This option is not available on the Internet.

**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 offices at A1500.
Department Billing. Department billings must be submitted to the Office of Student Financial Services by the appropriate college or school as early as possible and preferably by the fourth day of each semester, but definitely no later than the fifth class day of the 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. The 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; 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.

The 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 course enrolled 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 website 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 The Florida State University are to pay their fees at: Controller’s Office, 4750 West College 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.

Fee Liability

Liability is incurred for all credit hours remaining on a student’s schedule at the close of the official drop/add period each term. Out-of-state tuition and matriculation fee waivers will not cover dropped or withdrawn classes.

Delinquent Fees

Students who have amounts owed to the University may not complete their registration, participate in graduation ceremonies, receive a diploma, 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 student loans. All payments will be applied to current tuition first and then to the oldest outstanding debt. Non-refundable collection fees, as well as legal fees and interest assessment through court judgements, are added to a student’s account if the student has had an outstanding debt for 120 days or longer.

Registration “Stop” for Outstanding Charges

A “stop” is placed on all 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.

Tuition Waivers, Deferments, and Financial Arrangements

Out-of-State Tuition and Matriculation Waivers

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 President of the University to waive portions of out-of-state tuition and matriculation fees for a limited number of graduate students. Graduate assistants who have at least a one-quarter time assistantship (teaching assistant or research) or students on a fellowship of at least $3,150 per term may apply.

Insofar as they are available, out-of-state tuition and matriculation fee waivers are reserved for full-time, degree-seeking graduate assistants and fellows. Graduate assistant and fellowship stipends are normally subject to federal income tax.

Provisional, special, and part-time students at the graduate level are not eligible for tuition waivers. Tuition waivers must be submitted by the appropriate school or college by the fourth day of classes. Tuition waivers do not cover the total amount of fees due and may have an effect on financial aid awards.

Waivers are canceled if the student withdraws from the University, drops below the required academic load, or terminates the assistantship or fellowship. Waivers will be revoked if any University authority terminates the assistantship upon which the waiver is based or cancels the student’s enrollment. Waivers will not cover any dropped classes. The student will be responsible for any fees assessed.

Waivers for Florida Residents Over 60 Years of Age

When registering for 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. Note: audited courses do not earn credit hours or appear on a student’s permanent record. For further information, refer to the ‘Registration’ entry of the “Admissions” and “Office of the University Registrar” chapters of this Graduate Bulletin.

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. Note: lack of funds is not a valid reason for waiving the late fee. Request to waive late fees must be made by completing a waiver request form. 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 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 waiver of the penalty for late payment fees. The appeal committee’s decision is the final step in the University’s appeal process. Forms are available through the Internet at http://www.sfs.fsu.edu.

Deferments and Financial Arrangements

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

Financial aid deferments are authorized by the Office of Financial Aid. Departmental billings are authorized by the school or college issuing the billing. Agency billings are authorized by the previously 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 fifth 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.
Financial Information

Tuition and health fees for students receiving assistance from the Veterans Administration in accordance with provisions of Section 1099.27(2), Florida Statutes, may be deferred each time there is a delay in the receipt of benefits. This option is not automatic and must be explicitly requested by eligible students, through the Office of Veterans’ Affairs, Office of the University Registrar, by the fee payment deadline.

Students with financial aid pending will have their tuition paid by their financial aid and will have their veteran’s deferment nullified.

Note: If a student receives a veteran’s deferment and tuition is still not paid by the due date, the student will be assessed a late payment fee and 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 The Florida State University shall pay a nonrefundable application fee of $30.00.

Refunds 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 fees and outstanding University charges) during the term will be carried forward and will be applied against subsequent University charges incurred or will be refunded upon request. Full refunds of tuition fees may also be made 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 fees are paid may be eligible for a tuition refund. Refunds will be processed weekly by the Office of Student Financial Services. Any amount paid in excess of the amount owed (assessed fees and outstanding University charges) during the term will be carried forward and may be applied against subsequent University charges incurred or will be refunded upon request. The refund will be processed as a credit to the student’s FSU Card account for currently enrolled students. Checks will be mailed to those students who are no longer enrolled. Over-payments made by credit card will be refunded to the credit card. Any outstanding charges owed to the University will be deducted and the balance will be issued as a refund. Refunds for financial aid may be returned to the source as specified by federal law. See the subsection ‘Withdrawal and Return of Federal Financial Aid’ in the “Financial Information” chapter of this Graduate Bulletin.

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. Students who withdraw after the fifth day of the semester, but prior to the end of the fourth week of the semester (or for summer sessions by the fifth day of the five percent (25%) liability period 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. Refunds are not processed during the last two weeks of June due to fiscal year end accounting system holds.

Note: in the case where a withdrawal petition is approved, a refund can only be provided if the refund or withdrawal request is submitted within six months after the end of the semester 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: Director of Housing, 109 Student Life Building.
Parking Decals: Director of Parking, C2300 University Center.

Withdrawal and Return of Federal Financial Aid

Effective Fall 2000, students who withdraw and have received state or federal financial aid (Title IV programs) will be required to repay to state or the federal program the amount of unearned financial aid funds disbursed to them as of their withdrawal date. Title IV programs includes Pell Grants, Perkins Loans, Supplemental Educational Opportunity Grants (FSEOG), Stafford loans (subsidized and unsubsidized), and Parent Loans (the Federal PLUS program).

The unearned amount of federal program funds is calculated based on the percentage of the semester completed before the date of withdrawal. Both the University and students receiving federal financial aid are required to return unearned financial aid to the federal government. The University is required to return the unearned portion of the Title IV 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 state or federal government 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 state or federal government for institutional charges.

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 grant programs, unearned grant program funds are considered overpayments and students are required to return 50 percent of the grant. Students who owe grant overpayments remain eligible for Title IV program funds for 45 days if during those 45 days the student: 1) repays the overpayment in full to the University, or, 2) enters into a repayment agreement with the University. However, the University may charge a repayment fee. A repayment fee does not mean the student is eligible to register for additional classes, receive a transcript, diploma, etc. Students must repay Title IV financial aid eligibility if they do not comply with the options above.

Students should consider their repayment responsibilities for federal programs as part of their 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. 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 within this time frame are not liable for tuition; if tuition has been paid, such students should request a full refund of fees. Students who cancel their registration and are not enrolled for the following term (not enrolled for two consecutive terms) must apply for readmission.

Financial Aid

Director, Office of Financial Aid: Darryl Marshall

General Information

The 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 graduate 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. Academic graduate students may apply for long-term loans and college work-study. Graduate fellowships and assistantships are awarded through the Office of Graduate Studies and the respective academic departments.

The Office of Financial Aid is committed to serving and guiding students through the process of applying for financial aid. Information on financial aid is available on our website at http://www.finaid.fsu.edu.

Help in completing the financial aid forms is available from professional financial aid counselors located in the University Center. To obtain information on financial aid and the status of their application, students may access their status online via the web at http://www.statustudents.fsu.edu. Access also is available through http://www.fsu.edu or by calling the Express Telephone System (ET) from 8:00 a.m. through 6:00 p.m. (22 hours per day) at (850) 644-0539. The hours of operation for the Office of Financial Aid are Monday through Friday from 8:30 a.m. to 5:00 p.m.) The Information Center is open Monday through Friday from 8:30 a.m. to 5:00 p.m. Telephone counseling is available Monday through Friday 9:00 a.m. to 5:00 p.m.
The **Student Aid Resource (STAR) Center** is a multimedia resource center designed to provide information about sources of financial aid, short- and long-term personal financial planning, referral services to the Office of Financial Aid and other University and community resources. A more complete description of the center’s services follows under ‘Additional Sources of Financial Aid.’

**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.**

**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 2004–2005 year begins January 1, 2004, and ends June 30, 2005. Some federal and institutional grant and federal work-study funds are limited, so students are encouraged to apply as soon as possible after January 1, 2004. Estimated student/parent tax data is allowed for completion of the FAFSA document.

**Financial Aid Application Process**

To apply for federal, state and institutional aid at The Florida State University, students must complete the Free Application for Federal Student Aid (FAFSA). Students may complete a paper application (available from any high school or post-secondary school) or an application may be completed directly over the Internet by accessing the following web page: [http://www.fafsa.ed.gov](http://www.fafsa.ed.gov). Continuing students receive annual renewal applications through the mail. Internet applications can be completed from any computer with secure Internet access, or through Internet capable computers in many libraries and schools. Students in the Tallahassee area may use computers at The Florida State University to submit their application. Continuing students have access to various computer labs on campus. Prospective students may use computer terminals located in the Office of Financial Aid's Information Center.

Whether a student applies through a paper or an Internet application, the following materials will be necessary to complete the application:

- The student’s social security card and driver’s license;
- W-2 forms or other records of income earned;
- Student’s and student’s spouse’s (if married) Federal Income Tax Return (estimated figures are acceptable for application before filing of return);
- 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; 
- Records of other untaxed income received, such as welfare benefits, social security benefits, TANF, veteran’s benefits, or military or clergy allowances; 
- Current bank statements and records of stocks, bonds and other investments; 
- Business or farm records, if applicable; and 
- Student’s alien registration card, if student is not a U.S. citizen.

Note: students may apply for financial aid before applying for admission to The Florida State University, but while early application for aid is recommended (as soon as possible after January 1) a student can not be awarded aid until he/she is officially accepted for admission to The Florida State University.

**Loan Entrance Counseling Sessions**

Federal regulations require all students receiving a Federal Subsidized/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 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 The 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](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 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.

**Financial Aid Distribution and Payment of Tuition and Fees**

Financial aid includes scholarships, Bright Futures, grants and loans. 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 a Disbursement Authorization Statement (DAS) choosing one of the following two ways to receive financial aid:

1. By Electronic Funds Transfer (EFT) to your FSUCard Account at SunTrust. Approximately 80% of the student body receiving financial aid at FSU have chosen to process their aid electronically and take advantage of these convenient banking services; or
2. By a check mailed to the local address on file. It is the student’s responsibility to keep his or her address record current with The Florida State University. Checks are not forwarded by the post office.

**Exclusions**

- a. Students who have a hold on their funds will be sent a message to their University Garnet e-mail account advising them of the required action to clear the hold. Students must present a picture ID to pick-up financial aid on hold or receive a prepayment. 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. 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 Disbursement Authorization Statement (DAS).

All financial aid students must check their financial aid status at [http://www.fees.fsu.edu](http://www.fees.fsu.edu) or by calling (850) 644-0539 or go to the schedule call-in date. Students will not need to appear in person for financial aid distribution unless their online billing statement states that they must clear a hold. Students required to attend financial aid distribution should report to the Office of Student Financial Services, A1500 University Center on the published pick-up date.

Note: if you cannot get through using this phone number or on the Internet, or if you need a financial aid deferment, you should report to the Office of Student Financial Services, A1500 University Center on the distribution date as posted. Please do not get this date confused with your online call-in date. Your message will not appear on the Internet or in your voice mail box until the call-in date.

After entering your social security number and your registration PIN, follow the voice instructions.

For those students who have chosen to have their financial aid processed using EFT and their FSUCard account, you will receive a message with a detailed description of each debit and credit involved in the transaction at (850) 644-0539. Call 1-800-SUNTRUST for account details.

If you have any questions, please call the Office of Student Financial Services at (850) 644-9452 or go to [http://www.sfs.fsu.edu](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 the Registration Guide). After this date a $100 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 fifth day of the semester but preferably immediately after registration. Institution Participation Certificates 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 term will be deducted from financial aid received during a current semester.
Deferments, Loans, and Check Cancellation

Deferments
If aid is not available during the second week of the semester, financial aid recipients may be eligible for a tuition deferment. Check your Administrative Voice Message at (850) 644-0539, or go online to http://www.fees.fsu.edu to determine whether your aid has arrived or if you have received a deferment. Students who are ineligible for a deferment must pay their fees or make other arrangements by the tuition payment deadline. All students receiving a financial aid deferment must pay their tuition in full by the date stated for the deferment expiration. Failure to pay by these dates will prevent the student from registering for subsequent semesters and will cause a cancellation comment to appear on the permanent record in lieu of grades being posted.

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. Those students enrolled in summer classes whose financial aid may be delayed should consider this option. To be eligible for a delayed delivery loan, a student’s financial aid application must be completed by August 1. Eligibility for the loan will be determined by the type of aid awarded, the hours enrolled, and the account status. 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. 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 a 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 pictured ID is needed in order to receive an emergency loan. Accounts in delinquent status are not eligible for loans. Past due loans will prohibit students from using University services such as registration, transcripts, etc. Loans must be repaid by the due date, or when financial aid arrives, whichever comes first.

Check Cancellation
Any Stafford Loan check available on the published distribution date and not picked up by the check cancellation deadline will be returned to the lender for cancellation.

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) credit hours. These loans include Perkins (NSDL), 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 “Money Matters” section of http://studentsfirst.fsu.edu, and select the “exit interview for financial aid” option. Students will need their Social Security Number and registration PIN or web name and password to sign onto the session. Students planning to continue their academic studies at The 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
The Student Aid Resource (STAR) Center, located within the Office of Financial Aid, is a multimedia resource center designed to provide information on additional sources of financial aid. The center provides current website assistance, books, pamphlets, articles and other materials as resources for alternative types of financial aid for all students.

Individual departments in the “Academic Departments and Programs” section of this Graduate Bulletin list scholarships, as well as assistantships, available for students of specific majors.

Fellowships
There are a variety of fellowships offered through the University. Some require duties and some do not. Students should check with their graduate department for awards available in their discipline.

1. College Teaching Fellowships. There are a limited number of fellowships allocated to each college or school for the purpose of recruiting first-time graduate students at The Florida State University. Duties may or may not be required. Students must apply directly to their academic department.

2. University Fellowships. Awards are made annually to a limited number of students in any discipline for $15,000 per year plus out-of-state and matriculation waivers. Application forms may be obtained from the chair of the student’s proposed major department and the website of the Office of Graduate Studies, at http://www.fsu.edu/gradstudies. Applications are judged by a University-wide committee.

3. McKnight Doctoral Fellowship Program. This program is for newly enrolling African American students and includes all academic disciplines except law, medicine, and most fields in education (doctoral

4. Delores Auzenne Fellowship for Black Graduate Students. Awards are $2,500 per semester, for up to two semesters. For details, contact the Office of Graduate Studies, A4400 University Center.

Assistantships
Graduate assistants are selected by academic departments for duties connected with instruction or research of mutual benefit to the University and the student. Only students with regular graduate student status are eligible for graduate assistantships. Special and provisional students are ineligible.

Application for a graduate assistantship should be made to the chair of the major department. The stipend varies depending on the amount of service rendered, the nature of the service and the qualifications of the student.

Graduate assistants may request a waiver of the out-of-state tuition and matriculation fees. Refer to the previous section on “Tuition Waivers, Deferrals, and Financial Arrangements” for details.

A new student whose application for an assistantship is under consideration must also complete an application for admission through the Office of Admissions in the usual manner.

To remain eligible for an assistantship, a student must discharge the assigned duties satisfactorily as determined by the director of the program. A graduate student with less than a 3.0 cumulative grade point average is not allowed to continue more than one term as a graduate assistant.

Leslie N. Wilson Assistantships are for newly enrolling African-American students with a minimum of $5,000 per year plus an out-of-state tuition and/or matriculation fee waiver. For information contact the Office of Graduate Studies, A4400 University Center.

Student Employment Services
Last year over 2900 students found work in Tallahassee through Student Employment Services (SES). This program provides opportunities for part-time employment for students and is a comprehensive source for jobs in the private sector, at state agencies and on-campus. SES facilitates the job search process by offering an array of job locator services. Students do not need to be eligible for (or even apply for) financial aid in order to use Student Employment Services.

A variety of job listings are grouped by category (e.g. accounting, computers, retail, clerical, child care and state/county/city agencies). These listings may be accessed on the web at http://nwrdc.fsu.edu:1204/fsyjpr01. Listings are updated daily.
The Federal Work Study Program (FWSP) is a federally-funded financial aid program, administered by the Office of Financial Aid, that enables students to earn a portion of their financial aid award. This program offers a positive alternative to loan indebtedness through meaningful part-time employment. Weekly work schedules are mutually determined by the student and the employing department to suit the student’s class/exam schedule, and the employer’s needs. By federal regulation the schedule cannot interfere with a student’s class schedule. Federal Work Study is awarded on a first-come, first-serve 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 community service jobs and to 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 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 complete the Free Application for Federal Student Aid (FAFSA), and submit all other required documentation.
Residence Halls

The Office of University Housing is responsible for all on-campus housing facilities. 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 an apartment facility, Rogers Hall, with 94 one-bedroom, double-occupancy (twin beds) apartments reserved for single graduate students.

For the security of the residents, entrances to residence hall apartments are locked at all times. Residents must use keys to enter, and visitors must use the telephones at the main entrances to request admittance.

Alumni Village

Graduate students, either single or with dependents, are also 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.

Costs

Rogers Hall

Apartments (monthly), per student (including utilities and local telephone): $360.00*

Alumni Village

One-bedroom furnished apartment: $330.00–$357.00*
Two-bedroom furnished apartment: $355.00–$499.00*
Three-bedroom furnished apartment: $520.00–$574.00*

Monthly rate does not include utilities except garbage collection.

*All housing rental fees are established by The 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 2004–2005 figures and are subject to change.

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 through local real estate agencies and private owners.

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, and private residence halls. 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.

The Florida State University wishes to address the needs of the total student whether those needs arise in the areas of social and cultural awareness, physical well-being, intellectual expansion, or spiritual and moral growth. The University seeks to provide students with these opportunities by offering various programs outside the classroom.

Applications

Upon notice of admission, students receive information about housing options. The Office of University Housing sends more detailed information about University housing options and applications to all admitted students at the appropriate time before each semester. It is not necessary to request application materials. An on-line application is available at http://www.housing.fsu.edu.

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

An information session will be given for newly enrolled graduate students at the beginning of each Fall semester—generally, one afternoon in late August. Coordinated by the Office of Graduate Studies, the Division of Student Affairs, and the individual academic departments, the session is designed to welcome graduate students to The Florida State University and introduce them to its facilities, services, and events of public interest.

During the general portion of the session, graduate students will be given information by the Dean of Graduate Studies that is essential to successful academic work. A featured speaker, a distinguished professor from the University faculty, will comment on the graduate experience, and the Vice President for Student Affairs will describe the student services available at the University.

Orientation of graduate and graduate-professional students will include an emphasis on ethical standards. The University has articulated its statement on values and moral standards and on the standards found in the canons of professional responsibility in the fields students expect to enter.

At the information session, the Program for Instructional Excellence will be reviewed. The program offers classes that cover the general aspects of teaching: the ethics, the potential problems, and the characteristics of quality teaching. Additional classes may be offered by the individual departments that prepare graduate students for teaching their particular field. Students will be notified by mail and through their individual academic departments of the date, time, and location of the Information Session.

Departments offer their own formal or informal orientation sessions; queries regarding these meetings should be made directly to the chair of the student’s department.

Special orientation sessions for minority graduate students are given three weeks prior to the fall semester by the Program in African American Studies. Interested students should contact the office located in A5200 University Center.

International Student Orientation

All new international students, including transfers from FSU-Panama and international students at Florida State University—Panama City (Florida) branch campus, must report to the International Center and present their immigration documents before they will be allowed to register for classes. In addition, incoming students must attend an orientation session sponsored by the International Center which provides information and materials about immigration, insurance and health issues, community resources, and support services available to international students and their families. Notice of the dates for the required orientation session, held prior to the Fall, Spring, and Summer semesters, is included in the pre-arrival packet that is sent to admitted students, along with the appropriate immigration form (I-20 or DS-2019).

Graduate Teaching Assistant Support

Instructional Development Services

Two programs that support graduate student teaching include the Program for Instructional Excellence (PIE) and Preparing Future Faculty (PFF). Both of these programs are housed in Instructional Development Services, in the Office for Distributive and Distance Learning, C3500 University Center, (850) 644-8004; website: http://online.fsu.edu.

Program for Instructional Excellence (PIE)

In addition to departmental support programs, the Program for Instructional Excellence aids graduate teaching assistants in improving their instructional skills and classroom knowledge. The program offers a wide variety of services, which are described below. C4503 University Center, 9:00–5:00, Monday through Friday, (850) 644-8844.

Preparing Future Faculty (PFF) Program

The Preparing Future Faculty (PFF) program is a national network of academic leaders exploring ways to better equip doctoral students for faculty work. The PFF program was initiated by the Association of American Colleges and Universities and the Council of Graduate Schools and funded by The Pew Charitable Trusts.

Through the efforts of faculty from The Florida State University and the partner institutions, PFF is exposing graduate students to a variety of teaching roles and experiences. The PFF departmental programs take many shapes depending on the discipline and the institutions involved, but several principles are constant. The most enduring principle is that graduate students should enter the academic profession as competent professionals who have already begun a process of growth as teachers and scholars in the academic community.

There are several ways to become involved with the PFF project: 1) Check with your department; 2) Call PIE at (850) 644-8844; or 3) Visit the PFF web-site at http://online.fsu.edu/instructor/teachingenhancement/pff.

University-Wide Teaching Conferences

Twice each year, during the week preceding the Fall and Spring semesters, three-day and one-day conferences are held for new and experienced teaching assistants. University administrators, organizations, faculty, and experienced teaching assistants take part in this program, offering advice and conducting sessions on all aspects of undergraduate teaching at The Florida State University. Experienced instructors who
feel the need for a refresher course are invited to participate in any part of the orientation they feel might be useful.

**Workshop Series**

Workshops and panel discussions which deal with issues specifically relevant to instructors who teach in University classrooms are held throughout the fall and spring semesters. Possible topics might include lecturing, strategies for active learning, and leading an effective discussion, along with many others. Visit [http://online.fsu.edu/workshops](http://online.fsu.edu/workshops) for a comprehensive listing of workshops offered, as well as online registration for the workshops.

**Individual Consultation**

A member of the Instructional Development Services is usually available to discuss, on an individual basis, any aspect of an instructor’s teaching assignment. Not only can an instructor receive assistance and consultation with “problem areas,” but also with the proposed course design, teaching techniques, and a variety of other areas. Consultations are available on an appointment or walk-in basis.

**Videotaped Observation**

Video observations involves videotaping a segment of an actual or simulated teaching situation for the purpose of offering performance feedback to instructors. The main advantage is that it allows instructors to view themselves from an outside perspective. Typically, a staff member will videotape part or all of an instructor’s class and then meet with the teaching assistant to discuss the tape and offer feedback. Since video observation is applicable to lectures, labs, and discussion sections, many teaching assistants find the experience rewarding as it offers a chance to view one’s teaching from a student’s perspective. A staff member can also observe actual classes without the aid of videotape and report back to the instructor. Please allow one to two weeks for scheduling.

**Resource Book**

*Instruction at FSU*, a resource book for instructors, conveys information on policies, procedures, and teaching techniques. Its primary function is to help instructors understand what is expected of them and to acquaint them with necessary skills to be effective in the classroom. This document is available for download at [http://online.fsu.edu/instructor](http://online.fsu.edu/instructor).

**Online Newsletter**

Available at [http://online.fsu.edu](http://online.fsu.edu), the *Instruction at FSU* newsletter offers teaching-related information of all kinds: articles on individual instructors and department programs, teaching improvement ideas, and news on innovative strategies and campus happenings.

**Resources**

Many resources on teaching are available from the program. Handouts on lecturing, testing, guide to better grading, and what undergraduates expect of you, along with many others, are available without charge. Our lending library located in UCC 4503 is available for browsing.

**Web Resources**

*Teaching Enhancement Website.* One of the many resources available to instructors at The Florida State University is this website. The site includes descriptions and schedules of the many programs offered at the University. Please visit [http://online.fsu.edu/instructor/teachingenhancement](http://online.fsu.edu/instructor/teachingenhancement).

**Preparing Future Faculty (PFF).** This site gives links to the national PFF program as well as resources that assist graduate students in planning for a career in post-secondary education. Visit [http://online.fsu.edu/instructor/teachingenhancement/pff](http://online.fsu.edu/instructor/teachingenhancement/pff).

Campus.fsu.edu. The Florida State University provides this electronic course management system to all instructors. Visit [http://campus.fsu.edu](http://campus.fsu.edu) for information on what is offered, available support, and how to request a course.

**Outstanding Teaching Assistant Awards**

The Program for Instructional Excellence facilitates the University’s Outstanding Teaching Assistant Award program. Fifteen outstanding teaching assistants will receive cash awards and will be acknowledged at an awards presentation and reception in April.

**Teaching Associate Program**

The Program for Instructional Excellence (PIE) provides departments with a teaching associate to assist with departmental teaching assistant training and to serve as small group leaders and mentors during the campus-wide orientations and workshops organized by the program. This associate is an experienced teaching assistant nominated by the department and interviewed and selected by PIE. The teaching associate is the liaison between the Program for Instructional Excellence and individual departments. The appointment, therefore, carries obligations to both the administrative program and the department. Teaching associates will receive a stipend for an academic year appointment (Fall and Spring semesters). Appointments are made each year at the beginning of the Fall semester.
University Registrar: Tim Martin
Associate Registrars: Kimberly Barber, 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 The Florida State University. It is responsible for registering students and for maintaining official student and departmental records for the term in progress; preparing transcripts; scheduling academic space; maintaining and updating curricula; 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 for 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, 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, 1st Floor, Kellum Hall, (850) 644-9566.

Registration

During each academic term, an official registration is held for all currently enrolled, degree-seeking students who expect to be enrolled for the following term.

Registration at The Florida State University is conducted by telephone and by website. Using the telephone data entry and voice responses, or an Internet website, students can register for all of their courses in a matter of minutes and can access 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. Students using the automatic redial button will always receive a busy signal. Registering in the evening will avoid overloaded circuits.

Students should be aware that phone calls to The Florida State University’s interactive telephone network systems for course registration, CLAST registration, Office of Financial Aid or Office of Admissions services, may be periodically monitored to insure that the appropriate quality control is maintained.

Registration Guide and Course Schedules

The Florida State University publishes the Registration Guide which includes registration worksheets. The Guide also contains a list of all registration deadlines, fee and payment information, and important announcements. A copy of the Guide can be obtained from the Office of the University Registrar’s information desk (A3900 University Center) each term. This information is also published online at the Office of the University Registrar website at http://registrar.fsu.edu.

Lists of course offerings, with the meeting time and location of each course, and where possible the instructor who will be responsible for each course, are made 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 using the registration worksheets in the Registration Guide. 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” section 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, 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

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.

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 two days of classes) will be assessed a $100.00 late registration fee.

Registration Permits

All permits, such as underloads, overloads, directed individual study (DIS), and satisfactory/unsatisfactory (S/U) grading must be completed by the end of the fourth week of classes. Most 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

Graduate 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.

Stops to Registration

Registration is prevented if all academic and/or administrative requirements have not been fulfilled prior to the term. A “stop” may be placed on the student record if one or all of the following deficiencies exist: academic dismissal, incomplete admissions documents, fiscal deficiency, or failure to process readmission papers after a withdrawal or after a two-term absence (including the summer term) from the University. 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”.

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 will be considered illegally enrolled in the University. If the “stop” is not removed after notification of such an error, the students registration is subject to cancellation.

Registration “Stop” for Outstanding Charges

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” will not be removed and such students will not be permitted to register until the debt is cleared.

Registrar Cancellation of Schedule

Students allowed to register in error will be canceled by the Office of the University Registrar.

Students who are dropped or deleted from their last or only course by an academic department because of nonattendance the first day of class will be canceled by the Office of the University Registrar. This cancellation will be without liability for tuition. A student whose registration is canceled by the University Registrar must apply for readmission.
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, A3906 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 not liable for tuition; however, tuition charges will remain. Approval by the student’s academic dean is required to reduce the academic load below twelve (12) semester hours. Courses dropped during this period will not appear on the student’s transcript. To add courses, the student must be readmitted to the University. Students who cancel their registration and are not enrolled for the following term (non-enrollment for two consecutive terms) must apply for readmission.

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 that appear on their schedule after the fourth day of classes. Courses may be dropped through the seventh week of classes; however, tuition charges will remain. Approval by the student’s academic dean is required to reduce the academic load below twelve (12) semester hours. Courses dropped during this period will not appear on the student’s transcript. To add courses, the student must be readmitted to the University. Students who cancel their registration and are not enrolled for the following term (non-enrollment for two consecutive terms) must apply for readmission.

Students Called to Active Military Duty

Students called to active duty who wish to receive incompletedes 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 (644) 644-7134 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, A3906 University Center.

Directed Individual Study Courses

Students may enroll in courses directed by an instructor for individual study of a particular area. The directed individual study course title and credit hours must be approved in writing by the instructor offering the course and the departmental chair, or representative, and will be posted on the student’s record.

Florida Agricultural and Mechanical University—The Florida State University Cooperative Program

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;
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 Graduate Bulletin.

Interinstitutional Transient Students

State of Florida, Division of Colleges and Universities

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 and application fee 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.

Note: academic rules governing regular students (e.g., 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 academic 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 for tuition.

Citizens 60 years of age or older who are Florida residents may attend classes under “seating privileges” criteria, and fees are waived except for those courses requiring individual instruction.

Transcripts

The Office of the University Registrar will issue 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.

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 release of the transcript. Transcript service may also be denied if 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.

Enrollment Certification

All student certifications will be by official request only. A graduate student whose cumulative grade point average for courses taken at The Florida State University falls below 3.0 at the end of a term (not counting courses for which “S” or “U” grades may be given) will be considered “not in good standing” by the University. Students in need of enrollment verification should make a written request directly to: Certification Section of the Office of the University Registrar, A3900 University Center, Tallahassee, FL 32306-2480, or go to http://www.studentsfirst.fsu.edu. Select “fill out a certification request.” Follow the instructions on the screen in order to obtain your certification letter. Your letter will be processed the following business day.

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, has 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 on the student making the request will be given.
Prerequisites for All Graduate Degrees

Graduate work in any department must be preceded by sufficient undergraduate work in the field or a related one to satisfy the chair of the department that the student can successfully do graduate work in the chosen field.

A student is expected to have adequate command of the English language to enable the student to organize subject matter and to present it in creditable written form. Any faculty member may at any time refer a student to the Reading/Writing Center of the Department of English for noncredit remedial work.

Editing Services and Statistical Assistance

The following guidelines have been approved by the graduate policy committee.

1. University regulations are quite clear concerning plagiarism and inappropriate assistance; these regulations apply with particular force to theses and dissertations: "...violations of the Academic Honor Code shall include representing another's work or any part thereof, be it published or unpublished, as one's own. (Faculty Handbook, p. 18).

2. The ready availability of editing services and statistical assistance, and in particular of computer and statistical research design assistance, must not be seen as a substitute for required training and/or course work;

3. Professional editing services may not become a substitute for faculty advisement and should be confined to language structure;

4. The major professor must be informed and concur before a student seeks assistance in any or all of the editing or statistical assistance areas, and faculty concurrence should be documented as part of the student’s record. The particular scholarly work in question should be reviewed prior to such assistance, so that issues of scholarly form and content have been dealt with in advance of the use of such services. The student must confer with the major adviser before incorporating any advice obtained through the above-mentioned services into written work;

5. In all cases, such assistance must be noted in the acknowledgments accompanying the final version of a paper, thesis, or dissertation.

Graduate Students Enrolled for Two Degrees Simultaneously

Under certain special circumstances it is possible for a student to work on two degrees in two different departments at the same time. Students wishing to do this need to be accepted by both departments. A memo showing endorsement by both department heads and deans(s), as appropriate, must be sent to the Dean of Graduate Studies for approval. Once approved, the Office of the University Registrar will be notified of the dual registration.

Note: Initial admission to a graduate program at The Florida State University must be to one program only. After the first semester, the student may apply and be accepted to the second degree program desired.

Master’s Degree Programs

Degrees Offered

The University confers at the master’s level the master of arts, master of science, master of accounting, master of business administration, master of fine arts, master of music, master of music education, master of social work, specialist in education, specialist in library and information studies, and master of public administration degrees.

The minimum requirements stated below govern all of these degrees except the specialist in education, the specialist’s degree in library science, and the master of fine arts degrees. Individual departments may have additional or specific requirements over and above those here stated. Consult the appropriate departmental section of this Graduate Bulletin for details.

Types of Programs

There are two types of programs by which a student may secure a master’s degree: the thesis type and the course type. It is optional with any department whether it requires all majors to proceed under one or the other type, or whether it permits individual students to choose between them. For specific information, consult the appropriate departmental section of this Graduate Bulletin.

Thesis-Type Program. To qualify for a master’s degree under this program, the student must complete a minimum of thirty (30) semester hours of credit including thesis credit. At least eighteen (18) of these hours must be taken on a letter-grade basis (A, B, C). The minimum/maximum number of thesis hours for completion of a master’s degree shall be six (6) hours.

Course-Type Program. To qualify for a master’s degree under this program, the student must complete a minimum of thirty-two (32) semester hours of course work. At least twenty-one (21) of these hours must be taken on a letter-grade basis (A, B, C).

Requirements at Master’s Level

At the master’s level students are expected to demonstrate an understanding and make sense of the core knowledge needed to function in their professional field. Master’s level students are expected to demonstrate an understanding of the research process, and/or creative or problem-solving activity or application of the knowledge appropriate to their discipline. The student is held responsible for meeting the requirements listed below.

Graduate Record Examinations and Subject (Advanced) Tests

Certain departments require the area or advanced tests of the Graduate Record Examinations or other standardized achievement tests. These tests should be taken no later than during the first term of residence in graduate study. Consult the chair of the major department for details.

Transfer Credit

Transfer of courses not counted toward a previous degree from another regionally accredited graduate school is limited to six (6) semester hours and transfer of courses not counted toward a previous degree within The Florida State University is limited to twelve (12) semester hours, except when the departmental course requirement exceeds the thirty-two (32) hour University-wide minimum requirement. In the latter case, additional transfer credit may be allowed to the extent of the additional required hours. All transfer credit must: 1) be recommended by the major department; 2) be evaluated as graduate work by the evaluation section of the Office of Admissions of The Florida State University; and 3) have been completed with grades of 3.0 (“B”) or better.

Grades earned at another institution cannot be used to improve a grade point average or eliminate a quality point deficiency at The Florida State University. 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.

General Course Requirements

The distribution of hours among 4000, 5000, and 6000 level courses and above is determined by the college or school of the student’s major department. Only courses numbered 5000 and above are normally to be taken by graduate students. A graduate student’s directive committee or department may, however, permit the student to take specified 4000 level courses in the degree program. Such 4000 level courses may be credited toward a graduate degree.

Language Requirements

There is no University-wide foreign language requirement for the master’s degree, except for the master of arts degree. Each department sets its own language requirements.

Residence Requirements

There is no University-wide residence requirement for the master’s degree beyond that implicit in the limitation upon transfer credit, the recency of work requirement, and the full-time student load requirement. Master’s candidates are advised that some programs and departments may impose a stricter rule of residency as required by the specific program of study.

Recency of Work

The work for the master’s degree must be completed within seven years from the time the
student first registers for graduate credit. Any graduate work transferred from another institution must have commenced not more than seven years prior to completion of the degree for the credits to be applicable to the master’s degree.

Program of Study
As early as possible during the first term of graduate work, students should prepare a program of courses with the help of their major professor or supervisory committee. This program must be approved by the major professor and the chair of the major department. A copy of the approved program is to be kept on file in the department.

Major and Minor Professors
At the earliest opportunity, the student should ask the chair of the major department to designate the major professor, who serves as the student’s adviser and supervisor. If nine (9) or more semester hours of work are taken in any department other than the major one, these hours may be considered a minor if so desired by the student and the major department. If a minor is requested, the chair of the major department should ask the chair of the minor department to designate a minor professor for the student’s supervisory committee. Designation of major and minor professors requires the mutual consent of the student, department chair, and professors involved.

Supervisory Committee
A master’s degree supervisory committee must be designated for all thesis students and may be designated for nonthesis students at the option of the department. The supervisory committee consists of at least three members: the major professor; the minor professor (if the student has a minor area); and one or two additional members from the major department. Additional members may be appointed if deemed desirable. All members of the committee must hold at least master’s directive status.

Prospectus
A thesis-type program may require preparation and submission of a prospectus to the student’s major professor, supervisory committee, and departmental chair for approval. Upon receipt of the appropriate approvals, a copy of the completed Prospectus Approval Form must be submitted to the Dean of Graduate Studies. If a department does not require a prospectus, the Prospectus Approval Form will serve as the substitute, signifying approval of the student’s research plan and appropriate Institutional Review Board (IRB) endorsement.

Thesis
The student must register for thesis credits each term in which a substantial amount of work is being done on the thesis. A student who has completed the required course work and continues to use campus facilities and/or receive faculty supervision but who has not made a final thesis submission shall include in the required full-time load of twelve (12) semester hours a minimum of two (2) thesis hours per term. Those with overload permission must register for at least two (2) hours of thesis credit per term. The exact number of hours shall be determined by the major professor based on the proportion of faculty/staff time, facilities, and other resources needed to support the student.

The subject of the thesis must be within the major field and must reveal independent investigation and knowledge of the methods of scholarship.

It is the responsibility of the major professor to supervise the preparation of the prospectus and the thesis. Information on the appropriate form for the thesis may be obtained from the major professor. Formatting and clearance guidelines for the final electronic submission copy may be accessed from the Office of Graduate Studies website, http://www.fsu.edu/gradstudies/, or by contacting the manuscript clearance advisor.

The final draft of the thesis should be in the hands of the major professor and the examining committee at least ten (10) days before the date set for the oral examination. After approval by the oral examining committee, which includes the supervisory committee, the student should submit the final manuscript electronically to the manuscript clearance advisor. A manuscript processing fee is charged. If the student wishes University Microfilms International, Inc., to register the copyright, an additional fee must be paid. Consult the Registration Guide for the deadline dates.

As a condition of undertaking a thesis master’s program, the student agrees that the completed thesis will be archived in the University Libraries system. The student will make the electronic thesis available for review by other scholars and the general public by selecting an access condition provided by the Office of Graduate Studies.

Comprehensive Examination
A comprehensive or other type examination, either written, oral, or both, at the option of the department, may be required for the master’s degree. Testing requirements and procedures are established by the major department.

Special Master of Arts Requirements
In addition to the requirements listed above, candidates for the master of arts degree must meet the following requirements:

1. Proficiency in a foreign language demonstrated by satisfactory performance on the Graduate School Foreign Language Tests of the Educational Testing Service, or certification by the appropriate language department, or completion of twelve (12) semester hours in a foreign language with an average grade of at least 3.0 ("B"), or four years of a single language in high school.

2. Six (6) or more semester hours of graduate credit in one or more of the following fields: art; classical language, literature, and civilization; communication (not to include speech correction); English; history; humanities; modern languages and linguistics; music; philosophy; religion; and theatre.

Doctoral Degree Programs

Degrees Offered
The University offers the doctor of philosophy, doctor of education, and doctor of music degrees in the several departments of the College of Arts and Sciences, College of Business, College of Communication, School of Criminology and Criminal Justice, College of Education, FAMU—FSU College of Engineering, College of Human Sciences, School of Information Studies, School of Music, College of Social Sciences, School of Social Work, School of Theatre, School of Visual Arts and Dance, as well as in several interdepartmental and interdivisional areas. See relevant sections of this Graduate Bulletin.

Requirements of the Doctor of Philosophy Degree
The student is held responsible for meeting the requirements listed below.

The doctor of philosophy is a research degree designed to produce the critical scholar. The degree is granted only to students who: 1) have mastered definite fields of knowledge so that they are familiar not only with what has been done in their specific fields but also with the potential and opportunity for further advances; 2) have demonstrated capacity to do original and independent scholarly investigation or creative work in their selected fields; and 3) have the ability to integrate their selected fields of specialization with the larger domains of knowledge and understanding.

Admission
Admission in the formal sense is governed by the same minimum standards as stated in the “Admissions” chapter of this Graduate Bulletin. However, a special effort is made by the departments to select and to admit only those who appear clearly qualified for studies at this advanced graduate level.

Diagnostic Examination
The student who has been admitted to work toward the doctoral degree may, before the end of the second semester of postbaccalaureate study, be required to take a departmentally administered diagnostic examination. It will be designed to appraise the student’s ability to pursue the doctoral degree in the field and to facilitate counseling in the development of the student’s program of studies.

The department will notify the Office of the University Registrar if the diagnostic examination is failed and the student’s program is to be terminated.

Residence
The intent of the residency requirement is to ensure that doctoral students contribute to and benefit from the complete spectrum of educational, professional, and enrichment opportunities provided on the campus of a comprehensive university. When establishing residency the student should interact with faculty and peers by regularly attending courses, conferences, or seminars, and utilize the library and laboratory facilities provided for graduate education.

After having finished thirty (30) semester hours of graduate work while being awarded the master’s degree, the student must be continuously enrolled on the Florida State University Tallahassee campus for a minimum of twenty-four (24) graduate semester hours of credit in any period of 12 consecutive months. In cooperative degree programs involving two or more universities, residence requirements may differ from the foregoing only with the approval of the graduate policy committee and the Dean of Graduate Studies. Students in such programs should check residence requirements with their departmental chairs or program leaders.
Program of Study

As soon as possible after notification of the appointment of the supervisory committee, the student, under the supervision of the major professor, should prepare for the approval of the supervisory committee a complete plan of courses to be taken. This program of study must be signed by each member of the committee and the chair of the major department. A copy of the student’s approved program of study is to be kept on file in the department.

Language and Related Requirements

There are no University-wide foreign language, statistics, or other tool requirements for the doctor of philosophy degree. Each department prescribes its own requirements.

The procedures for testing foreign language proficiency are set by the department prescribing the requirements. For those departments choosing to use them, the following arrangements have been made: reading knowledge exemption examinations for French, German, Russian, and Spanish are administered locally by the Office of Assessment Services, 106 William Johnston Building, (850) 644-3017, using the Educational Testing Service Examinations. Information on university admission and procedures approved by the chair of the Department of Modern Languages and Linguistics. Examinations in proficiency are set by the department prescribing the requirements. For those departments allowing foreign students to use English in satisfaction of language requirements but unwilling to accept satisfactory completion of their departmental courses as sufficient demonstration of language competency, the University’s Office of Assessment Services will administer the Educational Testing Service Test of English as a Foreign Language (TOEFL) which certifies comparative attainment. Foreign students deficient in English may be referred to the foreign language education program of the College of Education for course work, and the completion of that course work will be accepted as an indication of competency. Examinations for obtaining proficiency in languages not administered by the Department of Modern Languages and Linguistics.

The language courses numbered 5060 are service courses designed to prepare the student for the language exemption examinations. The student may take these courses as many times as needed. Students will use the 5069 courses to register for the examination.

When proficiency in statistical analysis is permitted or required, the criteria shall be established by the Department of Statistics. This proficiency can be met by satisfactory grades in STA 5126 by passing the statistics department’s proficiency examination, or by other procedures approved by the chair of the Department of Statistics.

These instruments afford means of continuing access to the materials and literature of research; therefore, the candidate should acquire competency in them early in the doctoral program.

Preliminary Examination

Satisfactory completion of a preliminary examination shall be required for admission to candidacy for the doctoral degree. No student may register for dissertation or doctoral treatise hours prior to the point in the semester in which the preliminary examination was passed. An admission to candidacy form must be completed and filed in the Office of the University Registrar prior to registration for dissertation/treatise. In order to participate in the admission to candidacy process, the student may retroactively add dissertation hours for that semester in which the preliminary examination was completed.

The preliminary examination is designed to test scholarly competence and knowledge and to afford the examiners the basis for constructive recommendations concerning the student’s subsequent formal or informal study. The form and content of this examination will be determined by the department, college, school, or committee (be it supervisory or examining) administering the degree program. Prior to the examination, the student’s examining committee will determine whether the student 1) has a 3.0 average, and 2) has progressed sufficiently in the study of the discipline and its research tools to begin independent research in the area of the proposed dissertation.

The chair of the major department, the academic dean, and the Dean of Graduate Studies may appoint any supervisory or examining committee as nonvoting members. A member may be appointed to the examining committee at the discretion of the academic dean or Dean of Graduate Studies or on recommendation of the major professor. Normally, the examining committee will be identical with the supervisory committee.

The supervisory or examining committee will report the outcome of the examination to the academic dean: passed, failed, additional work to be completed, or to be reexamined; the report following the reexamination must indicate whether the student either passed or failed. The results of the examination will be reported to the Office of the University Registrar for inclusion in the student’s permanent record.

Time Limit for Completion of Degree Requirements

All requirements for the doctoral degree must be completed within five calendar years from the time the student passes the preliminary examination, or the student’s supervisory committee will require that a new preliminary examination be passed.

Admission to Candidacy

A student who has passed the preliminary examination and has been certified to the Office of the University Registrar (on an admission to candidacy form) is considered a candidate for the doctoral degree and is eligible to register for dissertation credits.

A student must be admitted to candidacy at least six months prior to the granting of the degree. The purpose of this requirement is to ensure a minimal lapse of time for effective work on the dissertation after acquisition of the basic competence and after delineation of the problem and method of attack. More realistically, the student should expect to spend a year or more of work on the dissertation.

Prospectus

After passing the preliminary examination, the student may be required by the department to submit to the major professor, supervisory committee, and departmental chair a prospectus on a research project suitable for a doctoral dissertation.
Upon receipt of the appropriate approvals, a copy of the completed Prospectus Approval Form must be submitted to the Dean of Graduate Studies. If a department does not require a prospectus, the Prospectus Approval Form will serve as the substitute, signifying approval of the student’s research plan and appropriate Institutional Review Board (IRB) endorsement.

Dissertation

A doctoral dissertation must be completed on some topic connected with the major field of study. To be acceptable it must be an achievement in original research constituting a significant contribution to knowledge and represent a substantial scholarly effort on the part of the student. The manuscript must be prepared according to the style and form prescribed by the department. Formatting and clearance guidelines for the final electronic submission copy may be accessed from the Office of Graduate Studies website, http://www.fsu.edu/gradstudies, or by contacting the manuscript clearance advisor.

The student who has been admitted to candidacy must register for dissertation credits each term in which a substantial amount of work is being done on the dissertation. A student who has completed the required course work and continues to use campus facilities and/or receive faculty supervision but who has not made a final dissertation submission shall include in the required full-time load of twelve (12) hours a minimum of two (2) dissertation hours per term. Those with underload permission must also register for at least two (2) hours of dissertation credit per term. The exact number of hours shall be determined by the major professor based on the proportion of faculty/staff time, facilities, and other resources needed to support the student. The minimum number of dissertation hours for completion of a doctoral degree shall be twenty-four (24) semester hours.

For more specific information on final-term registration, see the residency requirements listed above. Before registering for dissertation, the student should consult the major professor as to the proportion of time to be devoted to dissertation work. The number of hours listed will show the proportion of time to be devoted to dissertation (with twelve [12] semester hours as an indication of full-time status). For example, PHY 6980, four (4) semester hours, will indicate that the student expects to devote one-third of the time to dissertation. Final approval of the dissertation by the entire supervisory committee is prerequisite to the awarding of the degree. This is true no matter how many hours a student has completed in dissertation or what grades have been recorded for the dissertation hours.

Examination in Defense of Dissertation

The defense of dissertation will be oral. Responsibility for suggesting the time, designating the place, and presiding at the examination rests with the major professor. The examination must be completed at least four weeks prior to the date on which the degree is to be conferred.

Academic courtesy requires that a preliminary draft of the dissertation be submitted to each member of the supervisory committee at least four weeks before the date of the oral examination. The supervisory committee, the chair of the major department, and such other members of the faculty as may be appointed by the academic dean will conduct the examination. All members of the graduate faculty are invited to attend. At least two weeks prior to the date of the examination, the student or major professor will present an announcement of the dissertation title and the date and place of the examination to the Office of Graduate Studies. Consult the Registration Guide for the dean’s dates.

The content of the abstract of the dissertation should be submitted to the supervisory committee at least one week before the date of the defense examination for approval. The abstract should conform to appropriate examples in Guidelines and Requirements for Electronic Thesis, Treatise, and Dissertation Writers.

The oral examining committee will certify in writing to the academic dean of the major department the results of the examination: passed, failed, or to be reexamined. The report of results following a reexamination must indicate the student either passed or failed.

A written critique of the conduct of the examination in defense of dissertation should be submitted by the representative-at-large from the graduate faculty to the appropriate academic dean and the Dean of Graduate Studies within one week after the date of defense.

After approval by the oral examining committee, the student must submit the final manuscript electronically to the manuscript clearance advisor. A manuscript processing fee is charged.

Publication of Dissertation

Publication of the dissertation through standard media for scholarly work is encouraged. As a condition of undertaking a doctoral program, the student agrees that the completed dissertation or treatise will be archived in the University Libraries system. The student will make the electronic dissertation or treatise available for review by other scholars and the general public by selecting an access condition provided by the Office of Graduate Studies.

To ensure at least minimum availability of the work, an acceptable and approved abstract of the dissertation and a copy of the dissertation submitted to the manuscript clearance advisor will be published in Dissertation Abstracts International. The abstract will be published in Dissertation Abstracts International and the dissertation will be microfilmed, for which the student is charged a fee. If the student wishes University Microfilms International, Inc., to register the copyright, an additional fee must be paid.

Guidelines for Restrictions on the Release of Theses and Dissertations

The free and open dissemination of the results of research conducted at The Florida State University is required if the University is to contribute effectively to the education of its students and to the body of human knowledge. Conflicts can develop among the interests of research sponsors, research directors, and the students doing the research. To ensure that the interests of all parties are protected, the following guidelines should be observed:

1. The maximum delay in the release of a thesis or dissertation to the University library and University Microfilms International shall not exceed three (3) months from the date the thesis or dissertation is accepted in its final form in the Office of Graduate Studies. A request for such a delay must be presented in writing to the Dean of Graduate Studies and carry the endorsement of the student, the major professor, the department or program chair and the dean of the relevant college or school.

2. Students should not suffer delays in their normal academic progress, including the final defense of the thesis or dissertation, as a result of a desire to delay release of the thesis or dissertation to the university.

3. In special circumstances, the Dean of Graduate Studies may grant an additional delay of sixty (60) days upon a request of the concerned parties, if the case can be made that such a delay is in the best interests of the student and the University. Such a request must be received at least one month prior to the expiration of the original period of delay.

Research Supported by Business and Industry

A thesis or dissertation which has been fully or partially supported by business or industry, may be sequestered by the Office of Graduate Studies for no more than two months while the document is being reviewed by the sponsor for the possibility of patentable material, and if necessary, while a patent application is being filed. A request for sequestering should be accompanied by a copy of the contract governing the terms under which the research was supported and be endorsed by the Office of the Vice President for Research, the major professor, and the student.

It should be recognized that adherence to this policy does not constitute a guarantee that information in the sequestered thesis or dissertation will not be disseminated by means other than the written thesis or dissertation.

Information about particular access issues related to electronic theses, treatises and dissertations may be obtained from the Office of Graduate Studies.

Requirements of the Doctor of Education Degree

The doctor of education degree is offered by the College of Education, the School of Music, and the School of Visual Arts and Dance. Potential candidates for this professional degree are selected on the basis of experience, skills, and goals of the students seeking admission to the programs in which the degree is offered.

Such students will ordinarily have had some years of teaching or academic administrative experience and have shown some promise of being able to develop their pedagogical or administrative skills through further research and training. The College of Education permits, as part of its experience requirement, the completion of a practicum, undertakes during the period of doctoral studies, in which the student engages in doctoral work-related activities within an external agency. Once the degree has been earned, its possessor should be able to perform the tasks of the profession with a high degree of efficiency.

The doctor of education degree is further distinguished from the doctor of philosophy degree by the nature of specific training (although there may be a core of studies common to the two curricula) and by that of the dissertation.

The training is designed to fit the goals of individual students, under the careful guidance of an advisory committee; since the purpose of the dissertation is to provide solutions to educational problems as they arise in the field, it shall be
designed to deal with methodological or adminis-
tative procedures capable of providing such so-
lutions. Students are therefore advised that their
programs must include enough methodological
inquiry to establish a basis for the procedures
used to arrive at their conclusions.
In light of the above, the distinction between
the doctor of education and doctor of philosophy
degrees cannot be made solely on the basis of re-
search tool requirements. Depending on the disser-
tation project proposed, the candidates supervisory
committee may require as much training in such
research tools as statistics, foreign languages, com-
puter languages, or other programming techniques
as necessary to complete the project.
The provisions of this section indicate steps
leading to the doctor of education degree that
differ from those leading to the doctor of phi-
losophy degree.

Requirements of the Doctor of
Music Degree
The doctor of music degree is offered to a
candidate who demonstrates superior ability in
music as a composer or performer. A candidate
is admitted on the basis of creative aptitude
and professional achievement. The degree
is awarded to a candidate who has achieved
distinction in performance or composition and
who completes relevant theoretical and historical
studies. Requirements for the degree are listed in
the “School of Music” chapter of this Graduate
Bulletin.

Graduation of Master’s and
Doctoral Students

Academic Standards
A graduate student is not eligible for conferral
of a degree unless the cumulative grade point
average is at least 3.0 in formal graduate courses.
No course hours with a grade below "C-" will
be included in computation of the average. In
addition there are usually other departmental
requirements which must be met.

Faculty Academic Judgement

Master’s Degree
Successful completion of coursework con-
stituting the student’s program of studies,
comprehensive exam or thesis does not guar-
antee award of the master’s degree. Faculty
judgement of the academic performance of the
student is inherent in the educational process in
determining whether the award of the master’s
degree or admission into a higher level degree
program is warranted.

Doctoral Degree
Successful completion of coursework con-
stituting the student’s program of studies, com-
prehensive exam, preliminary exams, defense of
prospectus, and defense of dissertation does not
guarantee award of the doctoral degree. Faculty
judgement of the academic performance of the
student is inherent in the educational process in
determining whether admission to doctoral
candidacy and the award of the doctoral degree
is warranted.

Registration for Final Term
For doctoral students and master’s students
in a thesis-type program, registration shall be re-
quired in the final term in which a degree requir-
ing a thesis, dissertation, or treatise is granted,
and shall consist of a minimum of one (1) credit
hour of thesis/dissertation/treatise credit even if
the student has completed the requirements for
the degree in previous semesters. This is to
reimburse the University for the administrative
costs of manuscript clearance and final degree
clearance procedures. If a nonthesis student
needs only to complete the comprehensive ex-
amination in a term and did not register for the
examination in the previous term, registration
must be requested from the Office of the Uni-
versity Registrar stating department and name of
examination, and the student must pay the “ex-
amination only” fee. If the student has not been
enrolled for the previous two terms, readmission
is required before registration.

Clearance for Degrees
Guidelines and Requirements for Electronic
Thesis, Treatise, and Dissertation Writers may
be accessed from the Office of Graduate Stud-
ies website, http://www.fsu.edu/gradstudies or by
contacting the manuscript clearance advisor.
During the first two weeks of the term in
which a candidate expects to receive a degree,
application should be made for a diploma at the
Office of the University Registrar. If a candidate
previously filed for a diploma but did not receive
the degree, the application procedure must be
repeated.
At the Office of the University Registrar a
candidate will receive a “Final Term Degree
Clearance Form,” which provides space for
certification by all parties concerned that all re-
quirements for the degree have been met. For a
candidate in a course-type (non-thesis) program,
the form must be completed and submitted to
the academic dean. For a thesis, dissertation or
treatise-writing student, the form must be com-
pleted and submitted to the manuscript clearance
advisor in the Office of Graduate Studies. No
candidate is eligible for the degree until this
requirement has been met.
After the defense, a master’s or doctoral
candidate must submit to the manuscript
clearance advisor the completed “Final Degree
Clearance Form;” the electronic thesis, treatise or
dissertation; one original signed signature page;
the “Electronic Access Agreement Form;” the
"Student Information Form;” and one copy
of the manuscript title page. For additional
requirements related to master’s and doctoral
students, and for a complete list of materials
to submit to the Office of Graduate Studies,
students may access the Office of Graduate
Studies website, http://www.fsu.edu/gradstudies,
or contact the manuscript clearance advisor.
Consult the Registration Guide for the deadline
dates.
Additional requirements may be imposed by
individual programs or departments.
academic regulations and procedures

academic honor system

note: this policy is currently under revision. please consult the dean of the faculties website at http://www.fsu.edu/~doj for more information.

a major concern of any educational institution, ranking with its concern for the advancement and dissemination of knowledge, is the maintenance of high standards of integrity and responsibility in the academic community. the florida state university recognizes the responsibility of both faculty and students in developing and maintaining these standards.

the legal foundation for the coordinated efforts of faculty and students to uphold academic integrity and combat academic dishonesty is provided in the student conduct code (section 1006.60, florida statutes and florida board of governors rule 6c-6.0105) which can be found in the florida state university student handbook.

academic honor code

the academic honor system of the florida state university is based on the premise that each student has the responsibility to:

1. uphold the highest standards of academic integrity in the student’s own work,
2. refuse to tolerate violations of academic integrity in the university community, and
3. foster a high sense of integrity and social responsibility on the part of the university community.

violations of the academic honor code

1. during examinations, violations of the academic honor code shall include referring to information not specifically condoned by the instructor. it shall further include receiving information from a fellow student or another unauthorized source.

2. regarding academic assignments, violations of the academic honor code shall include representing another’s work or any part thereof, be it published or unpublished, as one’s own. it shall also include presenting or submitting any academic work in a manner that impairs the instructor’s ability to assess the student’s academic performance. for example, plagiarism includes failure to use quotation marks or other conventional markings around material quoted from any source.

3. violations of the academic honor code shall include obtaining, distributing, or referring to a copy of an examination which the instructor/department has not authorized to be made available for such a purpose.

4. violations of the academic honor code shall include any act which impedes the ability of other students to have fair access to materials assigned or suggested by the instructor. for example, removal or destruction of library or other source materials violates the academic honor code.

5. academic dishonesty shall include tampering with another student’s work or impairing in any way the instructor’s ability to assess the academic performance of another student.

6. violations of the academic honor code shall include alteration of grades or any other records related to the academic performance of students. this shall also include submitting any false records in order to gain admission to the university.

7. violations of the academic honor code shall include assisting, attempting to assist, or conspiring to assist another student in committing the offenses as outlined above.

8. violations of the academic honor code shall include attempting to commit any offense as outlined above.

student responsibility

1. each student shall be responsible for abiding by the academic honor code at all times. if required by the instructor, at the conclusion of each examination or submission of an assignment, each student shall sign a pledge that the student has neither given nor received aid from any unauthorized source during the examination or in preparing the assignment.

2. any student who violates the academic honor code is expected to report the violation to the instructor and/or the university judicial officer.

3. if a student observes cheating during an examination, the student should consult with the instructor of the course as soon as reasonably so that the cheating may be stopped. if a student otherwise observes or learns of another student’s violation of the academic honor code, the student shall either 1) ask the student to report the violation to the instructor of the course and/or the university judicial officer, or 2) report the violation to the instructor of the course and the university judicial officer.

4. in the event that a student asks another student to report himself/herself and such student does not do so, then the student shall report, as soon as practicable, the violation to the instructor of the course and/or the university judicial officer. the student should provide the name of such student or students involved, if known, and furnish such evidence as is available to support the charge.

faculty responsibility

1. any instructor may require the students to sign a pledge at the conclusion of each examination stating that they have neither given nor received aid from any unauthorized source during the examination.

2. an instructor may further define in writing the instructor’s specification of the acts which shall constitute a violation of the academic honor code as set forth in section 6b. the definition shall be explained to each class and shall be effective thereafter for that class.

3. when an instructor believes that a student has violated the academic honor code in one of the instructor’s classes, the instructor should discuss the matter with the student. the instructor and student may resolve the problem in a manner acceptable to both. the instructor may consult with or invite the participation of the department chair or dean in the effort to reach an acceptable agreement with the student. the student may discuss the appropriateness of any academic response with the instructor’s department chair or dean. any agreement involving an academic penalty shall be put in writing, signed by both parties concerned, and reported by the instructor to the chair or dean and, for information only, to the university judicial officer. the student shall not be further penalized based on this report alone.

4. if a satisfactory resolution is not reached at the departmental level, the instructor shall refer the matter to an academic honor system hearing panel. these panels shall consist of five members: one faculty member from the department (school) concerned and appointed by the chair (dean), one faculty member not from the department concerned but appointed by the dean of the faculties, and two students appointed through procedures established by the student senate. the panel shall be chaired by the dean of the faculties or designee, who shall vote only in case of a tie. procedures of this hearing panel shall be in compliance with florida board of governors rule 6c-6.0105. the university judicial officer may sit as an ex officio nonvoting member of the hearing panel.

5. the chair of the academic honor system hearing panel shall be responsible for reporting the decision to the student, the instructor, and the university judicial officer; the latter shall determine whether further action should be taken under the academic honor code.

academic penalties

academic penalties shall include but not be limited to one or a combination of the following: 1) a lower or failing grade in the course, 2) a...
lower or failing grade or score on the assignment or examination, or 3) additional work to provide evidence of the student’s academic performance and/or evidence that the student knows and understands the course material.

University Judicial Officer Responsibilities

1. The University judicial officer shall explore the circumstances and determine whether, in the light of the severity and frequency of the student’s violations of the Academic Honor Code, any disciplinary penalty should be imposed. The student may elect a hearing before the Student Supreme Court.

2. The University judicial officer shall determine, with advice from the Student Supreme Court, appropriate disciplinary penalties for students found guilty of violations of the Academic Honor Code.

3. In all cases referred to the Student Supreme Court, the University judicial officer shall submit the report from the chair of the Academic Honor System Hearing Panel and a record of the student’s history regarding academic integrity. The University Judicial Officer shall report the disposition of each case to the student, to the Dean of the Faculties, to the instructor involved.

Student Supreme Court Responsibilities

1. The Student Supreme Court shall be responsible for hearing all cases brought before it by the University judicial officer. These proceedings shall be conducted in accordance with the guidelines in the Student Conduct Code and other applicable University guidelines.

2. The Student Supreme Court shall, in the light of information concerning this violation and the student’s entire history regarding academic integrity, hold hearings to determine a recommended disciplinary penalty in accordance with the procedures of the court.

Penalties

The following are the possible disciplinary penalties for violation of the Academic Honor Code, and they may be imposed singularly or in any combination.

1. Dismissal: An indefinite separation from the University. In order to be readmitted, a student dismissed for disciplinary reasons pursuant to the Academic Honor Code must file a petition for judicial clearance with the University judicial officer who will present the petition to the Honor System Committee for review and decision about whether or not the student shall receive a judicial clearance. All students who receive a judicial clearance will be permitted to return to the University on a probationary basis if the student has also met applicable readmission criteria.

2. Suspension: A separation from the University for a specified period of time, not to exceed two years. During the period of suspension, a student is excluded from classes and all other University privileges or activities. At the conclusion of the period of suspension, the student will be permitted to return to the University on a probationary basis if the student has also met applicable readmission criteria.

3. Probation: A conditional retention of student status until the student graduates from the University or is separated from the University for a period of not less than four years. During the period of the probation, a student’s University privileges may be restricted at the discretion of the University judicial officer.

4. Reprimand: A written statement from the University judicial officer expressing disapproval of conduct.

5. Nothing in this code shall preclude the imposition of other reasonable sanctions or a combination of sanctions within the authority and discretion of the appropriate tribunal.

6. Disciplinary records shall be maintained under the auspices of the Vice President for Student Affairs.

Honor System Committee

An Honor System Committee shall be appointed by the University President. The committee shall consist of three faculty selected from a list of six provided by the Faculty Senate Steering Committee and three students selected from a list of six provided by the Student Senate. Student members shall be appointed to serve terms of one year and faculty shall be appointed to serve terms of three years. The committee shall keep students and faculty informed concerning the provisions of the Academic Honor System, monitor the operation and effectiveness of the Academic Honor System, and make recommendations to the Faculty Senate and the Student Senate that it may deem appropriate.

Amendment Procedures

Amendments to the provisions of the Academic Honor System may be initiated by the above named committee, by the Faculty Senate, the Student Senate, or by the Vice President for Academic Affairs. Amendments to the Academic Honor System must be approved by the Faculty Senate and the Student Senate. After approval, amendments shall be forwarded to the University for implementation.

General Academic Appeals Process

Grievance Procedure

Students who feel 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, 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 direct, through the Vice President for Academic Affairs, that corrective action be taken when justified.

Grievance Procedure - Panama City Campus

Students who feel 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, 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 direct, through the Vice President for Academic Affairs, that corrective action be taken when justified.

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, which 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, or support staff position (including law enforcement unit 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 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;

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 student is notified in advance of University’s compliance; and/or

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 which are exempted by law including records of law enforcement agencies of the University, employment records of the student within the University; 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.

More specific information regarding such exempted information can be obtained from the Office of the University Registrar, A3900 University Center, Florida State University, Tallahassee, Florida 32306-2480.

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;

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 their 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.

Notification to the University of a request to prevent publication or release of "Directory Information" via the University must be received prior to the first class meeting day of the fall semester of the academic year. Once received, that request will remain in effect until notification to the contrary, in writing, is received 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 or publication of some of the items of "Directory Information" may result in preventing the publication of all items on that list, including graduation lists, honor rolls, and awards 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: The University Registrar: Office of the University Registrar, A3900 University Center, The 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 end of the first week of classes without the permission of their academic dean. Upon readmission the dean determines the effect of absences upon grades. Students reported absent for a period of two weeks or more may be readmitted only by permission of their academic dean. Upon readmission the dean may require a reduction of the academic load. 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.
academic dean, except when using a late drop. Consult the ‘Drop/Add’ section of the “Office of the University Registrar” chapter of this Graduat e Bulletin for more details.

The Director of Student Health Services does not issue excused absences 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.

Students who are members of an intercollegiate team are required to attend all scheduled 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 or academic unit.

Religious Holy Days

Per 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. Students who feel 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 direct, through 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 as follows:

- 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; and
- Transient, classification 9.

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) hours (underload) without permission;
2. In place of the retention schedule system for regular students, special students must meet the following requirement. After attempting twelve (12) semester hours, graduate special students must have achieved and must maintain a 3.0 (“B”) grade point average in all courses attempted;
3. Failure to achieve or maintain the appropriate grade point average will result in a loss of registration privilege; refer to ‘Reclassification from Special Student to Regular Student Status’ below for additional information.
4. 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.

Reclassification from Special Student to Regular Student Status

Postbaccalaureate special students wishing to change to regular student status must apply for admission through the Office of Admissions. Refer to the “Admissions” chapter of this Graduate Bulletin for admission procedures and deadline dates.

Work taken as a special student carries no academic credit. Up to twelve (12) semester hours earned as a graduate special student may be applied toward a graduate degree with approval of the appropriate department chair and dean at the time of reclassification provided that a grade of 3.0 (“B”) or better has been achieved.

Full-Time Student Course Load

Recipients of stipends from the University, whether holders of fellowships or assistantships, must be full-time students.

The University reserves the right to determine full-time status based on courses or research load. Special students are not required to obtain an underload permit.

Twelve (12) semester hours per semester constitutes a full-time load for graduate students and fellowship holders. A student who wishes to register for fewer than twelve (12) semester hours must have written approval from the academic dean prior to registration.

Nine (9) semester hours is defined as a full-time load for graduate assistantship holders on a quarter-time appointment or larger. Academic deans may grant exceptions to this policy for teaching assistants in those departments which conform to national course load policies in their disciplines. To satisfy the residence requirement, however, a doctoral student must be enrolled for twenty-four (24) semester hours during any period of 12 consecutive months.

The number of hours which a graduate student may carry without special permission is fifteen (15). A heavier load may be permitted by the academic dean.

Graduate-level courses may be modified downward in credit for a student by the academic dean.

Included in the calculation of student load are hours of graduate credit other than formal course work, e.g., hours in thesis or dissertation, in directed individual study, in supervised research, and in supervised teaching.

International graduate students must enroll in at least nine (9) semester hours during each of the Fall and Spring semesters to maintain legal immigration status. An international student advisor 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 advisor 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, access the reduced course load information and request forms, please refer to http://www.internationalcenter.fsu.edu/.

Faculty Degree Candidates

A faculty member of The Florida State University holding rank higher than that of instructor may not under any circumstances be a candidate for or receive a graduate degree from The Florida State University.

Course Examinations

Final examinations in undergraduate courses are discretionary within any given department, but all students, including 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. If no final examination is scheduled, a test in lieu of the examination may not be given during the last week of classes but must be given during the final 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 class 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 field in which the course is taught.
Grading System

Definition | Quality Points Per Credit Hour
---|---
Excellent | A 4.00
| A– 3.75
Good | B+ 3.25
| B 3.00
| B– 2.75
Average | C+ 2.25
| C 2.00
| C– 1.75
Poor | D+ 1.25
| D 1.00
| D– 0.75
Failure | F 0.00
Honors Medicine | HM 4.00
Pass Medicine | PM 3.00
Pass | P 0.00
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| W N/A
Withdrawn with Dean's Permission | WD 0.00
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 conferal of a degree, the total number of quality points is divided by the total number of semester hours for which letter grades are received. A graduate student whose cumulative grade point average for courses taken at The Florida State University falls below a 3.0 at the end of a term (not counting courses for which “S” or “U” grades may be given) will be placed on academic probation.

With the approval of the department, the academic dean, and the dean of graduate studies, some graduate course work taken at The Florida State University will be excluded from the student’s GPA. Permission for The Florida State University GPA to begin as a new calculation for graduate students shall be granted in the following admission/readmission circumstances:
1. When seven or more years have elapsed since a student was actively enrolled in a graduate degree program at The Florida State University;
2. A student has earned a master’s/specialist/doctoral degree from The Florida State University and is seeking a second master’s/specialist/doctorate; or
3. A student has earned a master’s/specialist degree from The Florida State University and is seeking a doctorate in a different major.

On the other hand, The Florida State University GPA will not begin as a new calculation for graduate students in the following admission/readmission circumstances:
1. During any period of time less than seven years in which the student was not actively enrolled in a graduate degree program at The Florida State University; or
2. A student has earned a master’s/specialist/doctoral degree from The Florida State University and is seeking a doctorate in the same major.

All requests for exception to this policy and its specifications must be endorsed by the students' academic dean and submitted to the Dean of Graduate Studies for approval.

Satisfactory/Unsatisfactory Course Option
With the permission of the major professor or chair of the student’s major department, a student may enroll in as many as six (6) semester hours during the major’s degree program or up to nine (9) semester hours during the doctoral program on a satisfactory/un satisfactory basis. A student’s registration in a course under the S/U option must be indicated on the proper form to the Office of the University Registrar from the major professor or chair of the student’s major department. A student may change to a letter-grade (A, B, C) or S/U basis during the first four weeks of a term. Please note that some courses are offered for S/U grade only and are not available for a letter grade.

Semester hour restrictions as stated above on the S/U option do not apply to courses normally offered on the basis of the S/U grading system, including courses in the College of Law for students of other graduate programs. Such hours are exempt from the total stipulated as permissible in the preceding paragraph.

In individual study, thesis, dissertation, research, supervised study, supervised intern, and internship credit, as well as for courses taken on the S/U option, the assigned grade will be “S” (satisfactory) or “U” (unsatisfactory). Although course hours with a grade of “S” will be credited toward a degree, the “S” and “U” grades are not used in determining grade averages for admission to candidacy or for conferal of a degree.

Grading Practices
At the end of each term, a report of each student’s grades is made available via The Florida State University and the FSYou! Website. Grades may be obtained by dialing (850) 644-8888 and selecting option 2 followed by the student’s social security number and four-digit registration PIN, or by accessing the website at http://www.ais.fsu.edu/edu/ais/applications/student. Grades earned at another institution cannot be used to improve a grade point average or eliminate a quality point deficiency at The 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, with the permission of the instructor, be assigned a grade of “I”. This may include excuses absences from final examinations. Grades of “I” are not assigned to any courses if a student withdraws from the University, and should be used only in those exceptional cases when a student, for reasons beyond his or her control, has failed to complete a course. 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” compute as an “F” in grade point average calculations. 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 incomplete grades (“I”) or no grade (“NG”) have been received. If they do, the original “I” or “NG” will automatically be changed to “F”. This “F” grade is not repeatable under the forgiveness policy 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 which 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 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 or school.

Grade Appeals System
Graduate students may appeal grades they think have been inequitably awarded.

The purpose of the grade appeals system is to afford an opportunity for a graduate student to appeal a grade the student feels was inequitably awarded, in that it involved a gross violation of the instructor’s own specified grading standards (which the instructor has an obligation to announce at the beginning of the course). The student may appeal the grade in the following manner.

Step 1.
The student must approach the instructor in question to discuss the grade and attempt to resolve any differences. A student not in residence for the succeeding term or a resident student who is unable to resolve the differences with the instructor must file a written appeal with the instructor’s program or department chair, whichever is appropriate, within 60 days following the assignment of the disputed grade.

Step 2.
If still dissatisfied, the student may, after filing a written statement with the program or department chair explaining the basis for the appeal, appeal before a board composed of three students nominated by the program or departmental student advisory committee or its counterpart. A negative decision by the board will end the appeal. A favorable decision will be referred to the departmental board described in Step 3. The student advisory board acts as a screening body and determines solely whether the appeal is consonant with the criteria indicated above. The student advisory board must be appointed and its decision made within three weeks of the time that the written statement has been filed with the program or department chair.

Step 3.
A department board composed of three faculty members and two students appointed by the departmental board must be selected for each case. The departmental board must be appointed and its decision made within three weeks of the time the student advisory board has reached a favorable decision on the grade appeal. A unanimous decision shall be final and binding on all parties concerned. A majority opinion may be appealed by the
student or the faculty member to a college-wide board appointed by the dean of the college from nominees supplied by the faculty and student advisory committees respectively. The appeal from the decision of the departmental board must be made by the dissatisfied party within three weeks of the time that decision has been made. The college-wide board must be appointed and its decision made within three weeks of the time that the written appeal has been filed with the dean of the college. The majority decision of this college-wide appeal body shall be final and binding on all parties concerned.

Each committee and board is charged with hearing the instructor in question, if the instructor wishes.

Faculty Senate Committee on Student Academic Relations

The Faculty Senate committee on student academic relations hears appeals from students concerning decisions about their academic work which they believe to have arrived at improperly or unprofessionally in departments, schools, or colleges. The committee is comprised of five faculty members, appointed annually by the Faculty Senate steering committee with the advice and consent of the Senate for staggered two-year terms, and two students, one undergraduate and one graduate, appointed annually by the University President. The committee elects its chair annually from the faculty representatives and reports its findings and recommendations to the Vice President for Academic Affairs. Students wishing to make appeals to the committee on student academic relations should consult the Office of the Dean of the Faculties. Appeals to this committee are made after all other available remedies have been exhausted.

Forgiveness Policy

The 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 Graduate Bulletin for additional information.

Suspension, Dismissal, and Reinstatement

The University reserves the right to exclude at any time a student whose conduct is deemed improper or prejudicial to the interest of the University community or whose academic performance is substandard.

A graduate student whose cumulative grade point average for four courses taken at The Florida State University falls below 3.0 at the end of a term (not counting courses for which “S” or “U” grades may be given) will be considered not in good standing by the University and will be placed on academic probation. If a 3.0 cumulative grade point average is not attained by the end of the next full term of enrollment, the student will not be permitted to register for graduate study, including registering as a special student. However, at that time the major professor may petition the academic dean for consideration of special circumstances which the professor thinks constitute justification for an exception to this regulation, but under no circumstances will a student be allowed more than one additional term of probation. Owing to the differential uses of the designation, “academic probation” shall not appear on permanent records of regular graduate students. After one probationary period, however, a student whose average falls within the probationary range will receive automatic dismissal.

Readmission

Returning students who have been dismissed (and have been reinstated) from the University and have not been enrolled for one term or more (including the summer term); 2) withdrew or canceled their registration during a previous term of attendance; or 3) have been out of school for two or more consecutive terms (including the summer term) and applied for readmission to the readmissions section of the Office of Admissions. This application must be submitted at least 60 days prior to the beginning of the term for which readmission is desired. (Consult the ‘University Calendar’ chapter of this Graduate Bulletin for specific application deadlines.) Reenrolled former students are subject to retention requirements in effect at the time of reen trance. Students claiming classification as Florida residents must also reestablish their eligibility for this classification when applying for readmission.

Any student who attempts college work at any institute other than Florida State University (including correspondence work) must have official transcripts sent to the readmission section of the Office of Admissions. Official transcripts issued directly to students are not acceptable for evaluation and entrance requirements. The University reserves the right to refuse readmission to any student who has an unsatisfactory academic, conduct, or health record. Students who are not in good academic standing and are denied readmission to the University may appeal that decision by filing a written petition with the Dean of Graduate Studies.

Withdrawal from the University

All students, including regular (degree seeking), special (non-degree seeking), and all State of Florida, Division of Colleges and Universities system transient students, who wish to leave the University during a term must formally withdraw. Students who do not formally withdraw. Students who do not attend classes and fail to withdraw will be assigned grades of “W” or “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 “Withdrawn 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 The Florida State University.

Students receiving financial aid may have to pay back a portion of that aid depending upon the date of withdrawal.

Should a student wish to register at the University at a later date, a formal application for readmission must be made at least 60 days prior to the beginning of the term in which the student wishes to re-enroll (see ‘Readmission’ above).

For further information on refunds, see ‘Refunds of Fees’ in the ‘Financial Information’ chapter of this Graduate Bulletin.

Readmission After Multiple Withdrawals

When a student has withdrawn three (3) or more times from the University, subsequent re-admission will first be considered by a committee whose charge is to assess the student’s capability of making satisfactory progress to 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 Withdrawal

When a student has been granted more than one medical health withdrawal, the Medical Withdrawal Committee will send a letter to the student noting that further withdrawal requests may not be considered. The student is requested to evaluate with their medical provider the number of hours they are capable of handling prior to registration.

FACTS Information

A service is now available to all current and prospective students of higher education in the state of Florida, the FACTS (Florida Academic Counseling and Tracking for Students) website. By logging on at 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; or
- find out general information about every participating college or university in the program.
Supervised Research and Teaching

Students may be granted credit for supervised research and supervised teaching at the option of their department. A student may register for such activity more than one term, using the same numbers and, again at the option of the department, may count the hours in meeting residency requirements for the degree program. No more than three (3) semester hours of supervised research credit and three (3) semester hours of supervised teaching credit may be counted toward the master’s degree. The limit for candidates for doctoral degrees is five (5) semester hours in each category.

Credit for Short Courses

Short courses are offerings that are not regular curricular offerings. Credit will not be given for any short course or for similar program in excess of the equivalent of one (1) credit hour for each week of the program, provided that each week contains the equivalent of fifteen (15) contact hours. In no case shall credit be given for any short course or institute or similar program having a duration of less than two full weeks.

Individual Study Courses

A student registered for an individual study course must attend at least one conference a week on the campus. Directed individual studies are not permitted during an intersession period. The graduate-level directed individual study (DIS) is for S/U or letter-grade credit at the discretion of the department.

Changing of Major Department

Admission to graduate study is contingent on approval by the department in which the student proposes to major. Therefore, an enrolled student is not free to change major departments at will. A change must have the approval of the chair of the department into which the student proposes to transfer and of the academic dean of that department. The appropriate signed documentation should be forwarded to the Office of the University Registrar.
The Florida State University seeks to provide students with opportunities outside the classroom that will stimulate social and cultural awareness, physical well-being, intellectual expansion, and spiritual and moral growth. The University wishes to address the needs of the total student. The University is committed to creating a sense of community among students, faculty, and administrators that will extend to the public, whether in the state, nation, or other countries.

**Division of Student Affairs**

*Vice President for Student Affairs:* Mary B. Coburn;  
*Associate Vice President for Student Affairs:* Timothy Quinnan;  
*Associate Vice President for Student Affairs:* Elizabeth P. Maryanski

The goal of the Division of Student Affairs is to ensure that all students may take advantage of the formal and informal educational experiences offered by The Florida State University. The Vice President for Student Affairs and the staff are responsible for the following departments:

- Campus Recreation  
- Career Center  
- Center for Academic Retention and Enhancement (CARE)  
- Center for Civic Education and Service  
- Child Development Programs  
- Dean of Students Department  
- First-Year Experience (FYE)  
- Greek Life  
- Orientation  
- Student Disability Resource Center  
- Student Rights and Responsibilities  
- Victim Advocate Program  
- Withdrawal Services  
- International Center  
- Office of Multicultural Affairs  
- Oglesby Union  
- Flying High Circus  
- Organization and Leadership Services  
- Student Campus Entertainment  
- Student Counseling Center  
- Student Government Association  
- Thagard Student Health Center  
- University Housing

Some of these departments and their programs are highlighted below; however, for more complete information, refer to the [Florida State University Student Handbook](#) or the Division of Student Affairs website at [www.studentaffairs.fsu.edu](http://www.studentaffairs.fsu.edu). The [Handbook](#) is available at the University 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 Services  
- Radio and Television  
- Seminole Dining  
- Students First  

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

**Career Center**

The Career Center, located in the University Center, A4100, helps students in all phases of their career development. The center’s Curricular-Career Information Service unit helps students explore their skills, interests, and values and select appropriate academic programs and occupations to reach their career goals. The center’s career library provides students access to both computer-based and print career assessment and information resources. The Career Experience Opportunities Program helps students explore career choices through various preprofessional internships and cooperative education work experiences. Students nearing the end of their academic programs find help in the Career Placement Services unit that administers the on-campus recruitment program and helps students develop effective job search techniques. Placement services are offered also through the Career Center in the colleges of Business and Engineering. The Career Center also has developed a state-of-the-art online Career Portfolio that enables students to document their skills throughout their academic careers. For further information regarding Career Center programs and services, please visit our website at [http://www.career.fsu.edu](http://www.career.fsu.edu).

**Child Care**

FSU Child Development Programs (FSUCDP) provide care and educational experiences for a limited number of children from ages 6 weeks to eleven years. Children of Florida State University students are given priority for enrollment. Space is limited, so please apply early. FSUCDP also provides sites for research by faculty members and graduate students as well as laboratories in which students may observe or work with young children. For additional information, contact FSU Child Development Programs, 103 Student Life Building, 133 South Wildwood, Tallahassee, FL 32306-4174, (850) 644-2860, [http://www.childcare.fsu.edu](http://www.childcare.fsu.edu).

The [Alumni Village Child Development Center](#), located at 167 Herlong Drive, cares for preschool children two and one-half to five years of age. This program is provided only for residents of University Housing.

The [Educational Research Center for Child Development](#), located at 370 Hull Drive, provides care for preschool children two and one-half to five years of age.

The [Infant and Toddler Child Development Center](#), located at 330 Pennell Circle, cares for children ages six weeks to two and one-half years of age.

The Starlight Child Development Center, located at 112 N. Woodward, provides evening care for children ages three to eleven from 3:15 p.m. to 10:00 p.m. Monday through Thursday.

**Community and Public Service**

The Florida State University encourages students to become involved in community service and civic activities, as well as broaden their academic experience through service learning courses. The [Center for Civic Education and Service](#) promotes this vision by providing service opportunities and civic involvement for both students and faculty. The center operates a clearinghouse of service-related information, including a directory of nonprofit organizations, service learning classes and student service organizations.

The center administers the FSU ServScript program, which allows students to record their community service hours on their official academic transcript. A transcript is a direct reflection of a student’s collegiate career to potential employers and graduate and professional schools. The ServScript goes hand and hand with Service Learning courses that link community service to the classroom curriculum. Service Learning courses are offered in numerous academic disciplines.

The center coordinates, advises and supports many service projects and programs. In the Fall and Spring semesters, students are trained as America Reads mentors and are placed in Leon County schools to improve reading skills. In addition, service events include the Service Leaders Seminar, Into the Streets and Volunteer Fair in the Fall and Make A Difference Tallahassee, the [Nonprofit and Public Service Careers](#) series and Celebration of Service in the Spring. The center also coordinates weekly, student-led, [Outreach Projects](#) that serve area nonprofit agencies. The center houses several student service organizations, which include: Alternative Break Corps, FSU Service Corps, [Habitat for Humanity](#) and [International Medical Outreach](#).

The Florida State University and the Center for Civic Education and Service host several statewide programs that promote student involvement in community service and civic responsibility in education. Statewide initiatives include the Community-Higher Education-School Partnership, Florida Campus Compact, [Florida Learn and Serve](#) and VISTA.

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 Civic Education and Service](#), Division of Student Affairs, 930 W. Park Ave., Tallahassee, FL 32306-4180; (850) 644-3342; Fax (850) 644-3362; website: [http://www.fsu.edu/~service](http://www.fsu.edu/~service); email: service@admin.fsu.edu.
Assessment Services
For information concerning Assessment Services, please refer to the "Office for Distributed and Distance Learning" section in "The University" chapter of this Graduate Bulletin.

StudentsFirst
StudentsFirst is a walk-up service and information counter located on the ground floor lobby of the University Center Building A. Students can ask questions about Financial Aid, Registration, Fee Payments, Admissions, and more. StudentsFirst staff will assist students and direct them to the office and personnel who can handle their specific problems. Students can also use StudentsFirst self-service kiosks to find and print a variety of information. Some of the services include: semester grades, unofficial transcripts, class schedules, and student financial status. You can also change your address. Please visit our website at http://www.studentsfirst.fsu.edu or come visit us at our service center.

Seminole Dining
Seminole Dining offers a variety of dining options for students, faculty, staff and guests. Choose from national brand favorites Chick-fil-A, Einstein Bros. Bagels, Boar’s Head Deli, Quiznos, Starbucks, or try FSU’s own late night Park Avenue Diner.

Residential restaurants – featuring unlimited servings of freshly made to order food.

Athletic Training Table – University Center D

Real Food on Campus
Fresch Food Company – between Stone Building and Salley Hall

Retail Locations
Einstein Bros. Bagels – Os gaysley Union
ZIA Juice – Os gaylsley Union
On The Rock – Os gaylsley Union
Quiznos – Os gaysley Union
Union Food Court – Os gaylsley Union
Park Avenue Diner - Woodward and Park avenues
Stadium Food Court – University Center B
Westside Salleys – Salley Hall
Renegade Grill & Bar – Seminole Golf Course

Convenience Stores
C3 – Woodward and Park avenues
Boar’s Head Deli & convenience store – William Johnston Building

Starbucks
FSU Bookstore
Strozier Library
Barrister’s Bistro – College of Law
Cyber Cafe – Student Life Center
Smooth Grindz – Stadium Food Court, University Center B

All dining locations accept cash, Garnet Bucks, Flex Bucks, Visa, MasterCard and the FSU Card. Meal memberships (prepaid amount of meals) are available at Real Food on Campus (RFoC) and Fresh Food Company. Visit the Customer Service Office in the Os gaylsley Union to sign up for a meal membership or to add money to a Garnet Bucks account. For additional information, please visit http://www.seminoledining.com, or call (850) 644-3663.

Health Care
Thagard Student Health Center 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 office visits. Additional services and procedures such as lab, x-ray, pharmacy and physical therapy are provided at less than market rates. Other services include urgent care, general medical care, gynecology, psychiatry and allergy clinics, immunization, nutrition and health enhancement, and anonymous HIV testing.

Thagard’s clinical staff includes board-certified physicians, psychiatrists, advanced registered nurse practitioners, registered nurses, pharmacists and dieticians. The health center has over 50 full-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 a student organization that can make a difference should consider Thagard’s Student Health Advisory Resource and Education Team. This committee meets monthly to discuss health center operations and make recommendations to administration to improve services and better meet the needs of our students.

All students are encouraged to have insurance coverage. International students with F-1, F-2, J-1 or J-2 visa status must meet federal and state mandates for health insurance coverage. The Florida State University sponsors a reasonably priced policy that meets these requirements. All students are encouraged to visit our insurance office to obtain information about available policies or check out our website. Medical care outside the health center facility is the financial responsibility of the student.

Thagard Student Health Center also sponsors the Partnership for Alcohol Responsibility (PAR) project to work with community representatives toward changing campus culture regarding alcohol and how it is marketed to the Florida State University community. PAR is funded by the Robert Wood Johnson Foundation and the Partnership for Alcohol Responsibility (PAR) project to work with community representatives toward changing campus culture regarding alcohol and how it is marketed to the Florida State University community. PAR is funded by the Robert Wood Johnson Foundation and the Harvard School of Public Health Study.

All students are encouraged to check out the Thagard Student Health Center web page at http://www.ths.fsu.edu for more complete information, or call (850) 644-6230.

Counseling Services
The University Counseling Center, a department in the Division of Student Affairs, provides counseling programs and services to help students maintain or achieve a healthy state of mind, enabling them to function academically to the best of their ability. Individual counseling is offered on a time-limited basis; group counseling is unlimited. Psychiatric consultation is also available. These services are available to all fee-paying FSU students and to TCC students who purchase a health card. Students who are aware that they will require long-term treatment are encouraged to make arrangements for such care before entering the University; however, the University Counseling Center’s staff will make referrals for ongoing treatment in the Tallahassee community, if necessary. Treatment outside the center will be at the student’s expense. Initial visits are by appointment, except in cases of emergency. Records of visits to the University Counseling Center are strictly confidential and are not included in the student’s University records. Information concerning use of the center will not be released to anyone without written permission from the student involved unless there appears to be clear and present danger to the student or others. Outreach programs on a number of topics are available to faculty, staff, residence halls, sororities and fraternities by contacting the center. The University Counseling Center is also a sponsor of safe zone, an ally organization for lesbian, gay, bisexual and transgendered individuals.

The University Counseling Center is located in the Student Life Building, Suite 201. Hours of operation are Monday through Friday, 8:00 a.m. to 5:00 p.m. To make an appointment, call (850) 644-2003 or come by the center. The University Counseling Center is accredited by the International Association of Counseling Services.

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 challenges. 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. Fees for assessments are a 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 or come to the Regional Rehabilitation Center Building, 2nd floor. 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 Graduate Bulletin.

International Center
The International Center (IC) staff provides immigration and support services to international students, scholars, faculty and staff. IC advisers counsel students and scholars as to their obligations under the United States (US) Citizenship and Immigration Service and US Department of State rules, and serve as liaisons between them and these agencies.

The IC also serves international students, visiting scholars, and their families by orienting them to the University and the community, and providing them advice and referral in personal, social and financial matters. In addition, the IC offers the following programs that promote cultural awareness and understanding.

International Friends Program, a program that links international students with community people; Small World Speakers Bureau, a service that arranges for international students to speak on campus and in the community; Global Gatherings, a weekly brown-bag discussion series on international topics; the International...
Women’s Group, a social support group for wives of international students; and the International Bazaar, an annual event featuring food, cultural displays and performances.

Beyond Borders: International Service and Cultural Exchanges with the University of Costa Rica, the University of the West Indies and the Technical University-Dresden (Germany) are also administered through the center. The International Center is located at 107 South Wildwood. Call 644-1702 or refer to http://www.internationalcenter.fsu.edu for information.

Center for Academic Retention and Enhancement (CARE)
The 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 both, undergraduate and pre-collegiate programs. The center 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 promotes a caring environment for students to discuss their academic, personal, and/or social concerns with a friendly, supportive staff.

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

University Experience Program provides disadvantaged high school students interested in furthering their education an opportunity to experience college life for two weeks during the summer.

Upward Bound Program (located at James A. Shanks 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, encourages them to complete high school, and assists them in pursuing their formal education at the college or university of their choice.

Collegiate Program
CARE implements a Summer Bridge Program through which a maximum of 300 disadvantaged and/or first-generation college students are enrolled as first-time freshmen at The Florida State University during the second six-week session of the summer semester. In addition to taking freshman-level classes, students are involved in intensive orientation and transition activities designed to help them adjust to college life and build a foundation for academic success. Students who qualify will have their summer expenses (including tuition, room, board and books) paid through financial aid and University support. Students who enroll at the University through this program will continue to be monitored and supported through a number of structured academic and advocacy services until they complete their undergraduate degree.

Parking and Bus Services
The Office of Parking and Transportation Services is responsible for the administration of the parking and transportation programs on campus. The University requires students, staff, and faculty who want to park on campus to display a valid Florida State University parking permit. Temporary permits are available when needed. Enforcement hours are from 7:30 a.m. to 6:30 p.m., Monday through Thursday, and 7:30 a.m. through 4:30 p.m. on Fridays.

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. Students may park in the Campbell Stadium lot where buses pick up at ten-minute intervals and deliver students to the campus. The buses operate from 7:00 a.m. to 6:00 p.m., Monday through Friday. Students with valid IDs may ride the Free Fare buses on TalTran’s (city of Tallahassee public transportation) designated bus stops between the hours of 7:00 a.m. and 10:30 p.m.

Bicycle Parking
In accordance with the 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: 1) any area within six feet in front and to the side of any entrance to or exit from any building; 2) within any sidewalk; 3) on any access or egress ramp, steps, stairs or handrails; 4) in corridors; and 5) within any roadway or motor vehicle parking area.

The 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 the 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 the Florida State University Police Crime Prevention Section at 644-1388 or 644-3660.

Regulations governing parking on campus, bus routes, and schedules are available upon request from: The Office of Transportation and Parking, UCC 1300, Tallahassee, FL 32306-2650.

Postal Services
All United States postal services, except COD, are available at the University Post Office. Dormitory students are assigned post office box numbers with their room assignments. If they subsequently move off campus, however, arrangements should be made with the University Post Office for continued use of the post office boxes. Students may rent a post office box at $17.50 each term, $35.00 a year. All students holding University Post Office boxes should notify the University Post Office of any change of address.

The Union Copy Center provides the following services: facsimile service, color copier service, card operated copiers, and quick copy service. The center is open from 8:00 a.m. to 5:00 p.m.

Public Safety
The Florida State University’s Police Department is responsible for all safety and law enforcement functions on campus. The four divisions of the department are administration, police operations, investigations, and support services. The office of police operations provides motor, bicycle, and foot patrol of the campus 24 hours a day, 365 days a year. Campus police, all sworn law enforcement officers, promote campus safety by presenting public safety programs in classes, residence halls, and Greek and scholarship houses. The office of investigative services provides investigative expertise in matters involving violations on campus of municipal ordinances and applicable federal and state laws.

Florida State University’s Seminole Safety Guide, in compliance with the Campus Security Act of 1990, is published and distributed annually, and all students, faculty, and staff are notified of its availability. The Safety Guide describes all safety programs and security services available at the University and contains safety tips and emergency telephone numbers. Copies are available through the FSU Police Department at http://www.police.fsu.edu/safetyguide.cfm.

The Student Alert Force and Escort Connection (SAFE Connection), a bureau of Student Government, is available free to students, faculty, and staff. It is suggested that students, faculty, and staff contact the office for continued use of the box numbers with their room assignment. Students who subsequently move off campus, however, arrangements should be made with the University Post Office for continued use of the post office boxes. Students may rent a post office box at $17.50 each term, $35.00 a year. All students holding University Post Office boxes should notify the University Post Office of any change of address.

The Blue Light Trail, composed of approximately 390 strategically placed light poles with emergency call boxes, provides well-lighted pathways around campus; additional light poles are currently under construction as part of ongoing renovation and construction projects. By pressing the call box button, students are connected with the campus police dispatcher. Students should take note of where the lights and call boxes are located and plan their routes at night accordingly.

Designated Driver Program, a bureau of Student Government, provides free of charge to drive students home who feel they have been drinking too much. The program runs each evening from nightfall to 3:00 a.m., and serves campus and specific areas off campus. Arrangements can be made to be picked up by calling 644-SAFE (7233). For additional information concerning individual programs or services, please visit SAFE Connection at www.fsu.edu/~sga/safe/.
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 of WFSU.

Students at The Florida State University interested in a career in broadcasting are encouraged to participate in the station’s volunteer and internship programs. Participants are given an opportunity to work within a professional public radio setting and gain valuable experience in many facets of the station’s operation, including program raisers, staffed entirely by volunteers, as well as student new to The Florida State University can train or call (850) 644-9566.

WFSU-TV is a student-run movie center that is broadcast to every residence hall on campus. Students gain experience in professional-level internship, available only to a few students who are willing to invest a great deal of time and energy. Students can come in and use the editing equipment for free of charge.

The Video Center is a 73-acre lakefront recreational facility, 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 conference room space available for meetings and retreats.

The Intramural (IM) Office is a resource for over 50 intramural programs. Separate divisions for various ability levels keep competition fair and fun. Coed programs and recreational divisions are designed for those who enjoy sport as a social activity. The office also hires students to offer certification and supervise intramural programs.

Extramural sport clubs, more highly structured than intramural teams, compete with clubs from other universities. See the Florida State University Student Handbook 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 Office of the Dean of Students is to support the academic mission of The 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. Staff counselors provide individual opportunities for students to develop their values, decision-making skills, and leadership capabilities. For more information, call (850) 644-2428.

The Student Disability Resource Center (SDRC) is the primary advocate for students with disabilities. The SDRC provides academic support services such as extra time on exams, tutors, readers, note-takers, and sign language interpreters. Students also may receive assistance with registration and information regarding financial aid and community resources. The SDRC provides on-campus transportation for persons with mobility impairments. It also maintains within SDRC 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. For more information, contact the Student Disability Resource Center, 108 Student Services Building or call (850) 644-5136.

The Orientation Office offers more than 25 different sessions each year to accommodate the needs of incoming students. Every undergraduate student new to The Florida State University is required to attend an orientation session prior to enrollment. During orientation, students are given essential information regarding University policies and procedures, academic opportunities and requirements, and community values and standards. They also meet with an academic advisor and register for courses. Additionally, orientation participants have the chance to ask questions or discuss their concerns in small groups, which are led by trained student orientation leaders. For more information about the orientation program at The Florida State University, call (850) 644-2785.

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 Graduate Bulletin. For more information regarding student judicial procedures, call (850) 644-5136.

The Withdrawal Services staff provides advocacy for students and their parents when faced with the possible interruption of their University enrollment. The office analyzes student situations to explore possible alternatives, and advises students of the policies and procedures to assist them in making informed decisions. Once the decision to withdraw has been made, the staff assess fee and grade liabilities according to regulations, and centrally facilitate the processing of all paperwork through the appropriate University officials. The staff also maintains all the necessary and/or confidential records of completed withdrawals. For more information, call (850) 644-1741.

The Victim Advocate Program provides advocacy to victims of violent crime. An advocate is on call twenty-four hours a day to respond to those Florida State University students who are victimized, and to any person victimized on the Florida State University campus or in the community. Services offered include emotional support, instructor notification, referral to counseling services, and educational programming for the campus community. For more information call (850) 644-7161. After hours, call 644-1234.

The Office of Greek Life oversees the governing bodies of fraternities and sororities: the...
Student Government

The Student Government Association (SGA) is the student’s voice at The Florida State University. SGA allocates approximately $7.7 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 Center for Participant Education (CPE) is a free university that sponsors approximately 150 courses, as well as many films and speakers each semester. Volunteer instructors teach classes in social issues, creative expression, interpersonal relations, movement and exercise, sports, religion, and languages. The center designs Student Government-funded workshops—pottery, wood, and photography—are well equipped and open to students for a small materials fee. (850) 644-6577.

The purpose of the FSU Service Corps is to act as a liaison between the students and service organizations on and off campus and community. The center’s goal is to provide students with opportunities that will help to develop new skills, new interests and new friends—thereby enhancing the quality of their college experience. The bureau is committed to providing the Florida State University students with quality volunteer experiences. For more information, contact (850) 644-0086.

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 graduate organizations, and sponsors a variety of programs. For further information, call (850) 644-7166 or stop by 242 SLB.

Off-campus Housing, a bureau of Student Government, is a roommate referral service available to students, an information source for off-campus apartments and living arrangements, and can assist with landlord/tenant disputes. (850) 644-0089.

Student Publications annually produces the Freshman Record, which is a publication for incoming students, and The Torch, which informs students about the services offered by the Student Government Association. The office also designs websites, and it offers students opportunities to gain and improve their skills in graphic design (web and print), journalism and photography. (850) 644-0037.

Student Legal Services is an executive bureau of the Student Government Association that enables students to attend three half-hour consultations per year with a participating attorney at no charge. Student Legal Services strives to ensure that all students have access to high-quality legal advice and works diligently to provide students with the means they need to settle legal disagreements and other matters of concern without great personal cost. Student Legal Services can provide assistance with landlord/tenant disputes, criminal defense (DUI, assault and battery, traffic offenses, auto accidents and fake ID’s), consumer complaints (contracted services, auto repair, and student-targeted scams), marital/family law, probation, credit/debit, personal injury and other general legal concerns. (850) 644-0083.

The Women’s Center is a Student Government agency devoted to improving the quality of life for women students and to increasing awareness of the needs and concerns of all women. The center sponsors classes, discussion groups, speakers, films, and services that address social, educational, political, and economic concerns of women. The center also offers pregnancy counseling and serves as a referral agency to community resources. The Women’s Center Resource Library has books, periodicals, newsletters, and reference files on feminism, birth control, women’s health, and other related issues. (850) 644-6453.

Oglesby Union, Student Life Building, and 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; ticket office; automatic teller machines; information desk; student organization offices; meeting rooms; auditorium; and ballrooms. Located in the Oglesby Union complex are a travel center, Advising First, post office, copy shop, and computer lab.

Another component of Oglesby Union is Student Campus Entertainment, a student-run organization whose members plan and produce a variety of entertainment experiences. Students participate in all facets of entertainment programming: concert booking, contract negotiation, security, catering, publicity, and advertising.

The Office of Organization Services provides student support services including a registry for clubs and organizations. Staff provide comprehensive training programs for students and advisors.

The Student Life Building houses the Congress of Graduate Students (COGS), the National Pan-Hellenic Council (NPHC), University Housing and Counseling Center. It also has a 400-seat theatre, a cyber cafe with computer games and limited food service.

Florida State’s Flying High Circus, a component of the union, is one of only a few collegiate circuses in the nation. Founded in 1947, the circus has delighted audiences at home and abroad with skillful aerial and floor routines. Students work as their own riggers, put up the big top, spread sawdust, and string lights. Performers can receive one academic credit, but no academic scholarships or tuition waivers are available.

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.
COLLEGE OF ARTS AND SCIENCES

Interim Dean: Joseph Travis; Associate Deans: Sam Huckaba, Joseph McElrath, Joseph F. Owens III

The oldest college at the University, the College of Arts and Sciences has provided generations of undergraduates instruction in the liberal arts disciplines that are essential for intellectual development and personal growth in English and mathematics, history, the humanities, and the physical, biological, and behavioral sciences. Graduate degree programs in the College of Arts and Sciences grew organically from these strong undergraduate roots, and the contributions of the college to graduate education have been important to 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 The Florida State University was awarded in chemistry in 1952. Over the decades, various professional schools have emerged at the University, and several colleges and schools have separated from the College of Arts and Sciences to become individual administrative entities. Today, 22 percent of graduate instruction and over 40 percent of University instruction, generally, are offered by the College of Arts and Sciences. Furthermore, the college conducts a significant majority of sponsored research at The Florida State University. Currently, the College of Arts and Sciences annually awards the largest number of doctoral degrees at the University.

The College of Arts and Sciences comprises 19 departments, 14 institutes and centers, and seven interdisciplinary programs. In addition to awarding bachelor’s, master’s, and doctoral degrees and heavily supporting the Liberal Studies Program, the College of Arts and Sciences offers an extensive array of foundation courses for preprofessional and professional programs.

The College of Arts and Sciences faculty has earned national and international recognition for research, scholarship, and distinguished personal service to the profession. The faculty of the college has included seven members of the National Academy of Sciences, three Nobel Laureates, a Pulitzer Prize winner, directors of national commissions, university presidents, and numerous winners of other national or international honors. Locally, University scholars have named several arts and sciences faculty Daisy Parker Flory and McKenzie professors, and thirty-two of the college’s faculty members have been selected University Distinguished Professors. More than 100 arts and sciences faculty members have won University teaching and advising awards, and Martin Luther King, Jr., distinguished scholarship awards.

Graduate students in the College of Arts and Sciences have been recipients of a wide variety of honors, including a Rhodes Scholarship, McKnight and Patricia Roberts Harris fellowships, professional society scholarships, and other nationally recognized awards. Among the graduates of the college are respected scientists, writers, doctors, chief executive officers of major corporations, lawyers, school and college teachers and administrators, and other highly regarded professionals.

Facilities

The College of Arts and Sciences is housed in 21 buildings on the main campus and at a number of off-campus field stations. Arts and sciences research activities are conducted at various locations literally around the world—from an archaeological site in Cetamura, Italy, to the Antarctic. Special facilities of the college include the Van de Graaff nuclear accelerator, the Proton-Induced X-Ray Emission Laboratory, the Statistical Consulting Center, and the Marine Laboratory on Apalachicola Bay. The National Park Service’s Southeast Archaeological Center is a major repository of artifacts that is heavily used by anthropology majors. The college also staffs a large number of other specialized research and teaching laboratories: computer laboratories, radioisotope laboratories, a nuclear magnetic resonance lab, fluid dynamics and ocean modeling labs, language and writing labs, and other facilities. Faculty and students from several departments and programs in arts and sciences conduct research on the supercomputer and other large-scale computers at the School of Computational Science and Information Technology. The National High Magnetic Field Laboratory at Innovation Park also provides superb opportunities for research experiences for faculty and students. Many departments maintain their own journals, books, and reference materials.

Opportunities

Departments in the College of Arts and Sciences work with various programs, schools, and colleges to offer cooperative and interdisciplinary degree programs at the graduate level. For example, the Institute of Molecular Biophysics, the Geophysical Fluid Dynamics Institute, and the Program in Neuroscience are important interdisciplinary research centers. Similarly, the Programs in Humanities and American and Florida Studies pool diverse faculty talent and appeal to a wide spectrum of students. Well-funded research opportunities for graduate students are extensive among the science departments.

Scholarships, Awards, and Assistantships

Teaching assistantships are available across the college. Annually, approximately 1,100 students are supported by graduate assistantships. In addition to being eligible for the assistantships, students in the College of Arts and Sciences may apply for various types of graduate fellowships. Each year, 30 to 40 arts and sciences students receive University fellowships, college teaching fellowships, McKnight Black doctoral fellowships, Patricia Roberts Harris minority fellowships, psychobiology fellowships, and other awards. The application deadline for most fellowships is January 15 for awards beginning the following academic year.

Requirements

The College of Arts and Sciences offers the master of arts (MA), the master of science (MS), and the doctor of philosophy (PhD). In addition to reviewing the requirements highlighted below, students should consult all University-wide degree requirements and academic procedures for the master’s and PhD degrees as summarized in the “Graduate Degree Requirements” chapter of this Graduate Bulletin.

Admissions Criteria

Students who wish to pursue graduate study in the College of Arts and Sciences must apply through the Office of Admissions and must be accepted for graduate study by the intended department or program. Minimally, a combined score of 1000 on the verbal and quantitative section of the Graduate Record Examinations (GRE) or a 3.0 grade point average (GPA) at the baccalaureate or graduate school previously attended is required for admission as a regular graduate student; individual departments and programs may set higher standards. Prospective graduate students who are foreign nationals must also earn a score of 550 or better (213 or better on the computer version) on the Test of English as a Foreign Language (TOEFL). For more detailed information about specific graduate programs in the College of Arts and Sciences, students should consult departmental or program entries of this Graduate Bulletin.

Full-Time Course Load

Full-time graduate students must take twelve (12) semester hours each fall and spring semester. A full-time load for a graduate teaching or research assistant in the sciences is nine (9) semester hours in the Fall and Spring terms. Research and teaching assistants in the humanities area should consult their college or program for the minimum full-time course load. Fellowship holders must carry twelve (12) semester hours.

Limitations on Supervised Teaching and Research Course Work

Students may be granted credit for supervised research and supervised teaching at the option of their department. A student may register for such activity more than one term, using the same numbers and, again at the option of the department, may count the hours in meeting residency requirements for the degree program. No more than three (3) semester hours of supervised research credit and three (3) semester hours of supervised teaching credit may be counted toward the master’s degree. The normal limit for candidates for doctoral degrees is five (5) semester hours in each category.

Master’s Degree Requirements

Master’s degree students must complete their program of study within seven calendar years.
from the time of initial registration; master’s students do not, however, have to meet a specific residency requirement. A thesis-type master’s program requires a minimum of thirty (30) semester hours, six (6) of which must be thesis credits. A course-type master’s program requires a minimum of thirty-two (32) semester hours. Students in the thesis program must register for thesis credits each term in which a substantial amount of work is being done on the thesis, even if the minimum of six (6) semester hours of thesis has already been met. Students who have left the campus must register for at least two (2) semester hours of thesis credit per term so long as they are receiving faculty supervision. Master’s students should consult regularly with their supervising professor about progress toward the degree.

Doctoral Degree Requirements

Doctoral students must complete their degree requirements within five calendar years from the time the preliminary examination is passed. No student may register for dissertation hours prior to the point of the term in which the preliminary examination was passed. After the completed admission to candidacy form has been filed with the University Registrar, the student may add dissertation hours retroactively for the term in which the exam was passed. A minimum of twenty-four (24) dissertation hours is required for completion of the doctoral degree. Students admitted to candidacy must register for dissertation hours each term in which a substantial amount of work is being done on the dissertation, even after the minimum of twenty-four (24) dissertation hours has been met. Students who are off campus must register for at least two (2) semester hours of dissertation each term in which they receive faculty supervision.

The PhD residency requirement is satisfied as follows: after completing thirty (30) graduate semester hours or being awarded the master’s degree, the doctoral student must be continuously enrolled for twenty-four (24) graduate semester hours during any 12-month period.

The PhD supervisory committee must consist of a minimum of three members of the graduate faculty holding doctoral directive status, one of whom shall be designated the representative-at-large and shall be drawn from outside the student’s department or program. Annually, this committee will assess in writing the progress of the student, making copies of its report available to the Dean of Graduate Studies, the department chair, and the Associate Dean for Student Affairs in Arts and Sciences. Within a week of the dissertation defense, the representative-at-large must file with the Dean of Graduate Studies and the Associate Dean for Student Affairs in Arts and Sciences a report on the quality of the dissertation and adherence to University procedures governing the defense.

Final Term Registration

Students must register for at least one (1) semester hour of thesis or dissertation credit in the final term in which a degree is granted. Non-thesis-type master’s program students who have not previously registered for the comprehensive examination must do so the final term.

Clearance for Degrees

During the first two weeks of the semester in which the candidate intends to graduate, the student must formally apply for a diploma at the Office of the University Registrar and, for those writing theses and dissertations, obtain the final term degree clearance form. Three final copies of the thesis or dissertation must be submitted to the Office of Graduate Studies by the official University deadline in order for the student to graduate that term.
Interim Dean: E. Joe Nosari; Associate Deans: Joe D. Iceman, Patrick Maroney

The College of Business is one of a select group of business programs in the country fully accredited by The Association to Advance Collegiate Schools of Business (AACSB). This accreditation includes all undergraduate, master’s and PhD programs in business and separate accreditation of the bachelor’s and master’s programs in accounting.

Since its beginning in 1950, the College of Business has developed into a major unit that provides quality business education for students employed in regional and national organizations. The faculty and programs of the college are committed to educating and developing future business leaders and executives. This commitment to quality is reflected in three essential areas: a talented and dedicated faculty, an outstanding student body, and a close relationship with the business community. 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 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 types of students with highly qualified business faculty, coupled with well-designed business program options, creates a stimulating learning environment.

Lastly, 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 master of business administration (MBA), master of accounting (MAcc), master of science (MS) in management with a major in risk management and insurance, market of science (MS) in management information systems, and doctor of philosophy (PhD) in business administration. The College of Law and the College of Business offer a joint-degree program leading to the juris doctor (JD) and the master of business administration (MBA) degrees.

The master of business administration program is offered on a part-time and full-time basis, as well as online. A part-time MBA program is also available at the Panama City Campus. An on-campus MBA student may choose to concentrate their elective options in one of several areas: finance, global entrepreneurship, or marketing and supply chain management. Online MBA students may choose a concentration in general business, real estate or hospitality administration. Other opportunities are available to students with undergraduate degrees in accounting and management information systems.

The master of accounting program is designed to allow the student to major in either assurance services, accounting information systems, corporate accounting, or tax accounting. This program provides students with greater breadth and depth in accounting education than can be accomplished in the baccalaureate program. Although the MAcc program is designed as a full-time program, students may choose to complete their coursework on a part-time basis.

The master of science in management information systems program with a major in risk management and insurance offers concentrations in either property and liability insurance or financial services. This program is available entirely via the internet and is designed for working professionals.

The College also offers a master of science in management information systems. Although the MS in MIS is designed as a full-time program, students may choose to complete their coursework on a part-time basis.

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 degree and concentrate in either accounting, finance, management information systems, organizational behavior and theory, strategic management, marketing, or risk management and insurance.

More specific information on all our graduate programs is available on the College of Business website at http://www.cob.fsu.edu/grad.

Institutes and Centers

The Jim Morgan Institute for Global Entrepreneurship (JMI) in the College of Business at The Florida State University serves to help entrepreneurs with currently existing businesses in the state of Florida to succeed. The JMI offers many avenues of assistance—from educational conferences to direct connections with our knowledgeable staff. As the prospect of operating a business in the future becomes more and more complex, the JMI will be a continual source of education aimed at keeping entrepreneurs informed and prepared to meet the challenge of coming trends.

The Marketing Institute (formerly the Florida Institute for Marketing Alternative Transportation) was created to provide valuable market research and education/training programs to professionals in the transportation, sports, hospitality, and professional service industries. Operated by a talented team of faculty, staff, and students, the Marketing Institute seeks to identify consumer attitudes and behavior that impact their purchase of products and services.

The Human Resource Management Center (HRC) in the College of Business at The Florida State University provides a forum for human resource professionals to enter into high level discussions with academics and colleagues on critical issues. The HRC also provides a vehicle for professional networking and provides a connection to, and support for, The Florida State University, a major research oriented university. In addition to the main focus, the HRC provides technical assistance, education and training programs, and published research to its executive and general membership.

The DeSantis Center provides high quality management education to executives and managers throughout the United States and in selected foreign countries. It also supports research on effective management education approaches and technologies that enhance the creation and transfer of knowledge between the academic and the practicing professional.

Facilities

The Charles A. Rovetta Business Building contains approximately 76,000 net square feet of modern classrooms, faculty and staff offices, and support facilities. The building is ideally located near both the Strozier Library and the Osgerly Union and contains support facilities for student placement, a student reading room and lounge, seminar rooms, and offices for graduate assistants. All classrooms are equipped with the latest audio-visual and wireless networking equipment.

The College of Business has a state-of-the-art technology center. As computer applications have been integrated into all areas of the business curriculum, the computer laboratories and multimedia teaching classrooms have become an integral part of the learning process. The laboratories continue to be upgraded and currently contain modern hardware and up-to-date software. The microcomputers are integrated into a local area network (LAN) which provides student access to software in the laboratory and at other locations. The LAN also provides student access to mainframe computing systems in the University.

Scholarships/Awards

Both master’s and doctoral students are eligible to apply for numerous fellowships and assistantships provided at the University level. In addition, the College of Business provides substantial financial assistance to doctoral students. The College of Business assistantships/fellowships are awarded to doctoral students whose application materials reflect high academic achievement and professional performance, potential, maturity, and a strong ability to teach and communicate with students.
Requirements

Admission Requirements

The Graduate Management Admissions Test (GMAT) is required for admission to all graduate programs in the College of Business. For students whose native language is not English, the Test of English as a Foreign Language (TOEFL) is required. In addition, international students receiving funding as teaching assistants must successfully complete the Test of Spoken English (TSE).

Admission to all graduate programs in business is based upon the following factors: grade point average (GPA) in previous university-level courses; verbal, quantitative, and total scores on the GMAT; TOEFL score, if applicable; letters of recommendation that speak specifically to the ability of applicants to successfully complete the graduate program to which they are applying; relevant work experience; and a personal statement of goals. For those students applying to the master of accounting program, the undergraduate upper-division accounting GPA is also considered.

MBA Program: forty-three (43) semester hour full-time and forty-two (42) semester hour part-time and online programs. For full-time students, the three semester program begins the Summer term (early May), and the application deadline is February 1st. For part-time students, the program begins in the Spring term (early January), and the application deadline is October 1st. The online program begins the Fall term (late August). The application deadline is June 1st. All materials, including a GMAT score, must be received in our office by the application deadline. The part-time programs are available at both the main campus in Tallahassee and at the Panama City branch campus.

Master of Science in Management Program: with a major in risk and insurance is an online, corporate program designed for the insurance professional and requires completion of thirty-three (33) semester hours of graduate level coursework. The MSM in RMI begins only in the summer term. It is offered on a distance-learning basis, via the internet, to allow the working professional to obtain the degree. Deadline for receipt of all application materials is March 1.

Master of Science in Management Information Systems Program: The management information systems major requires completion of thirty-three (33) semester hours and begins only in the fall term. It is primarily a full-time program; however, students may attend on a part-time basis under certain circumstances. Deadline for receipt of all application materials is June 1st.

Master of Accounting Program: This is a thirty-three (33) semester hour program that allows admission any term. Deadlines for receipt of all application materials are: Fall term (deadline June 1st), Spring term (deadline October 1st), or Summer term (deadline March 1st). The MAcc program is designed as a full-time, daytime program; however, students may attend on a part-time basis under certain circumstances.

Doctor of Philosophy in Business Administration Program: Admission is only for the fall term in order to be eligible for financial aid and to provide an optimum program schedule. The application deadline is May 1st.

Individuals interested in the graduate programs offered by the College of Business should contact: The Graduate Office, College of Business, The Florida State University, Tallahassee, FL, 32306-1100 (gradprog@cob.fsu.edu). Enrollment in graduate business courses is severely limited by both space and accreditation standards. Non-degree students seeking registration in graduate business courses must obtain the permission of the academic dean.

Readmission Requirements

Graduate students who have withdrawn, who have not been enrolled for two consecutive semesters, or who have been academically dismissed are required to meet the graduation and retention requirements of the Graduate Bulletin that is in effect at the time of their readmission.

Master of Business Administration Curriculum

The MBA program prepares promising students for successful careers in business and management. It provides high-quality business and management education with a professional, career-long perspective by developing the student's capacities and skills for decision making, leadership, and communications. The program also develops in students a spirit of enterprise, confidence, creativity, and attitude which is needed for advancement to positions of increasing responsibilities.

The MBA curriculum at The Florida State University emphasizes the application of various business and management concepts to the decision-making process. The curriculum also exposes the student to the various functions of business and management, recognizing that the career of a successful manager will span multiple functions. This exposure not only provides students with an understanding of the interrelationships among various business and management operations and decisions, but it also provides a sound foundation for growth and development through subsequent experience and education after graduation.

Admission into the MBA program, whether on a full-time or part-time basis, requires prior completion of the following specific set of prerequisites: calculus, elementary statistics, financial accounting, micro- and macro-economics, and basic finance. In addition, applicants should have at least two years full-time work experience in a professional or supervisory position.

The part-time MBA program is structured for students who hold full-time positions during the day, and will require seven (7) semesters to complete. The full-time program is completed within 12 calendar months. Course work usually is scheduled during the day.

The forty-three (43) semester hour program includes eleven standard courses taught by a variety of departments within the College of Business. All MBA students are required to complete the following courses:

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>ACG 5308</td>
<td>Accounting Concepts for Managerial Control</td>
</tr>
<tr>
<td>BUL 5810</td>
<td>The Legal Environment of Business</td>
</tr>
<tr>
<td>ECP 5706</td>
<td>Economic Analysis for Management</td>
</tr>
<tr>
<td>FIN 5445</td>
<td>Problems in Financial Management</td>
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<tr>
<td>ISM 5021</td>
<td>Information and Technology</td>
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<tr>
<td>MAN 5245</td>
<td>Organizational Behavior</td>
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<tr>
<td>MAN 5501</td>
<td>Operations Management</td>
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<tr>
<td>MAN 5601</td>
<td>Multinational Business Operations</td>
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<tr>
<td>MAN 5716</td>
<td>Business Conditions Analysis</td>
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<tr>
<td>MAN 5721</td>
<td>Strategy and Business Policy</td>
</tr>
<tr>
<td>MAR 5816</td>
<td>Marketing Strategy</td>
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Graduate students who have withdrawn, who have not been enrolled for two consecutive semesters, or who have been academically dismissed are required to meet the graduation and retention requirements of the Graduate Bulletin that is in effect at the time of their readmission.
Full time MBA students may be required to complete a one (1) semester hour course in corporate survival skills. The remaining three (3) courses are considered electives. The College of Business offers four options for MBA electives: three (3) courses in global entrepreneurship; three (3) courses in finance; three (3) courses in marketing and supply chain management; or any 3 electives chosen from these areas. With the approval of the academic dean for graduate programs, other opportunities are available to students with undergraduate degrees in accounting, and management information systems. Global entrepreneurship electives consist of entrepreneurial finance, entrepreneurial management, and entrepreneurial field studies. The finance electives consist of investment management and analysis, multinational financial management, and financial modeling and forecasting. Purchasing and supply chain management, business to business sales and marketing, and electronic business in supply chain marketing make up the marketing and supply chain management electives. Electives also may be chosen from other areas in business with approval of the academic dean for graduate programs.

The program offers concentrations in general business, real estate, and hospitality administration. Elective course work required for the general business area includes investment management and analysis, business to business sales and marketing, and employee benefit plans. Concentration courses for real estate are real estate and its legal environment, topics in real estate finance and appraisal, and real estate investment. For a concentration in hospitality administration, electives are financial and cost control systems for hospitality and tourism organizations, legal environment of hospitality and tourism organizations, and services and marketing research for hospitality and tourism.

**Master of Science in Management**

Master of Science in Management Program with a major in risk and insurance is an online, corporate program designed for the insurance professional. It requires completion of thirty-three (33) semester hours of graduate level coursework and is offered on a distance-learning basis, entirely via the internet, to allow the working professional to obtain the degree. Concentrations are available in property and liability insurance or financial services. All 11 courses which comprise the program can be completed in 24 months and taken from anywhere in the world. Quality and convenience are paramount. The curriculum recognizes that industry professionals are not involved solely with insurance issues — they must face difficult financial, ethical, legal, and global concerns as well. The program is designed to enhance a student’s ability to analyze these issues from different perspectives, fosters critical thinking, and engenders the discipline needed to become a successful manager.

**Master of Science in Management Information Systems**

The management information systems major requires completion of thirty-two (32) semester hours. Applicants must have successfully completed a course in statistics, calculus, and two programming languages such as visual basic and C++ to qualify for admission. Work experience is also a requirement. The MS in MIS program is primarily designed for students who want to manage in technology oriented environments. It is offered primarily as a full-time program; however, students may attend on a part-time basis under certain circumstances.

**Master of Accounting Program**

The objective of the curriculum leading to the master of accounting degree is to provide students with greater breadth and depth in accounting education than can be accomplished in the baccalaureate program. Because of the increasingly complex nature of the accounting and controllership functions, as well as the growing responsibilities of the accountant, graduate study beyond the baccalaureate degree is desirable for a career in accounting.

The master of accounting degree consists of thirty-three (33) semester hours (plus undergraduate foundation work if required). Students select a concentration in either accounting information systems, assurance services, corporate accounting, or taxation.

The usual prerequisite for admission to the master of accounting curriculum is an undergraduate degree in business with a major in risk and insurance. The usual prerequisite for admission to the master of accounting curriculum is an undergraduate degree with a major in risk and insurance. The usual prerequisite for admission to the master of accounting curriculum is an undergraduate degree with a major in accounting.

**Juris Doctor/Master of Business Administration Curriculum**

The College of Law and the College of Business offer a joint-degree program leading to the juris doctor and the master of business administration degrees. Applicants to the program must fulfill the normal entrance requirements of both colleges. Admission into the joint program must be made prior to the end of the first year of law school. After students have been admitted to the colleges of Law and Business, they must have their curriculum approved by the joint committee responsible for the administration of the program.

Further information may be obtained from: The Graduate Office, College of Business, The Florida State University, Tallahassee, FL 32306-1110 (gradprog@cob.fsu.edu).

**Doctor of Philosophy in Business Administration Program**

The purpose of the doctoral program is to prepare candidates for careers in university teaching and research, as well as for administrative and research positions in business, government, and philanthropic organizations. The doctoral curriculum emphasizes scientific study of decision making in an administrative context and the development of research abilities. The major thrusts of the business administration curriculum are professional discipline and theoretical research, which lead to further development of the discipline and to scholarly problem solving.

**Program of Study**

Candidates for the doctor of philosophy in business administration degree must satisfy the graduate faculty of the college that they have achieved 1) a mastery of a primary area of concentration, 2) a high degree of proficiency in a support area, and 3) a competency in the use of analytical and research tools.

Students will plan their program in consultation with a major professor and an advisory committee. The primary area of study must be selected from either accounting, finance, management information systems, organizational behavior and human resource management, strategic management, marketing, or risk management and insurance. A support area may be selected from a nonbusiness discipline or from another business discipline.

A minimum of one year of teaching and/or research is required of all candidates for the doctor of philosophy in business administration degree.

**Preliminary Examinations**

Comprehensive written examinations are given over the primary and support areas upon completion of all course work. An oral examination may be given over the student’s primary and support areas once written examinations have been completed. The entire examination process will normally take place within the scope of a single semester. While the analytical and research tools area does not include a comprehensive examination, students must earn a grade of “B” or better in each of the courses in the area. All incomplete grades must be removed prior to taking the doctoral primary and support exams and enrolling for dissertation hours.

**Dissertation**

Each doctoral candidate will undertake research on a subject approved by the dissertation committee. The student must demonstrate critical judgment in performing the investigation, and the finished dissertation must be a scholarly study that advances knowledge in the discipline. After completion of the dissertation, a final oral examination covering the candidate’s research is required. Students must register for dissertation credit each term during which they are in the dissertation phase of their program. A minimum of twenty-four (24) semester hours of dissertation credit must be earned. Students are not permitted to enroll for and receive dissertation credit until they have passed all of their doctoral preliminary examinations.
Research and Service Facilities

The College of Communication offers the graduate student the opportunity for enriched learning experiences through participation in a variety of research and service facilities.

The Florida Government Performance Survey Research Center helps Florida government agencies determine how well they are meeting the needs of their customers. It also offers strategies to improve communication and organizational performance of state and local governments. It conducts public opinion polls, work climate and other employee surveys, and conducts surveys as needed in sub-projects, studies, readership surveys, message testing, focus groups, performance evaluation and communication audits.

The communication science laboratories provide facilities for the study of physical and psychological aspects of sound, speech, voice, and language. The Speech and Hearing 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. The Voice Science Laboratory includes computer-interfaced instrumentation for measuring vocal intensity and pitch, aeromechanical aspects of voice and resonance, and physiological functioning of respiration and the vocal apparatus. The Hearing Science Laboratory utilizes computerized instrumentation for basic research on loudness, pitch, binaural hearing, and the temporal aspects of hearing, as well as for the study of auditory stimuli. The facility includes two sound-attenuated suites and an electronics shop. 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 aging 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 Florida State University Center for Autism and Related Disabilities was established in 1993 and is one of six similar centers in the state. Individuals with autism or related disabilities have been identified in the 18 Florida panhandle counties served by The Florida State Center. The center provides services to eligible individuals for communication, social, and behavior problems, and provides information, consultation, and technical assistance to families and professionals. The center also trains professionals and pre-professionals who serve, or are preparing to serve, the client population.

Teaching Facilities

The Production Center is a state-of-the-art media production complex that supports the video and audio production activities of the Department of Communication. The Production Center houses a variety of equipment and facilities: a fully equipped television studio; video-editing suites in several formats with field production cameras and recorders in each of those formats; computerized on and offline editing, digital video effects, and computer animation capabilities; nonlinear 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 communication program has lab facilities that 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. To this end, the program pursues projects linking people through technology and assisting students with design projects in various areas, including website, CD-ROM and groupware development. Expertise in these areas will be among the most important skills of new communication professionals.

WVFS-FM (V-89) is The Florida State University’s student-operated college radio station. Communication students may 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 is now available on the World Wide Web through streaming video at http://www.vfs.fsu.edu. V-89 has been the recipient of several national programming awards.

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 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 multiple 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.

**Assistantships/ Scholarships**

The departments of the college offer research and teaching assistantships to both master’s and doctoral students. Such assistantships vary in amount and are competitive. Assistantships typically provide assistance with matriculation fees.

In addition to University fellowships, the college administers various awards. For example, the Edney Fund and the Joanne and James Lynagh Fellowship offer tuition and travel support for graduate students in the Department of Communication. The Schendel, Anderson, and Backus Scholarships are available for majors in communication disorders. The college also awards a teaching fellowship annually.
The School of Criminology and Criminal Justice offers graduate degree programs leading to the master of science (MS), master of arts (MA), and the doctor of philosophy (PhD) degrees. In addition to the general criminology degree programs, a dual master’s degree program is offered with the School of Public Administration and Policy. Please consult the Panama City Campus website, at http://www.pc.fsu.edu, for information on degree programs offered there, including the Certificate in Underwater Crime Scene Investigation.

Facilities
The School of Criminology and Criminal Justice is located in the Hecht House. Criminology students also have access to the Law Library and the state library and archives. The school also maintains its own computer lab, with numerous personal computers and printers that are IBM compatible. Students at the University also have access to one of the few supercomputers in the world.

The University’s location in Tallahassee affords direct access to extensive research opportunities. Tallahassee houses all levels of state and federal courts except the United States Supreme Court, as well as several state correctional facilities, drug treatment facilities, and a federal prison. The legislature, cabinet, governor, attorney general, and departments of Corrections and Probation and Parole are situated in Tallahassee.

Graduate study at the School of Criminology and Criminal Justice provides access to research facilities that match or exceed any in the nation. Important and ongoing research is conducted by both House and Senate Criminal Justice and Corrections Committees. The Florida Department of Law Enforcement compiles UCR and related crime statistics, and the Criminal Justice Estimating Conference makes prison projections. The Office of the State Courts Administrator maintains an extensive data file on prosecution and court activity from filing through disposition, and the Department of Corrections maintains a widely acclaimed database that incorporates information from sentencing through release from probation, or parole.

Opportunities
The School of Criminology and Criminal Justice promotes interdisciplinary study by offering various degree options. The school and the School of Public Administration and Policy offer
A dual degree program leading to both a master of public administration and a master of science in criminology. This dual degree program, established to prepare students for overlapping careers in criminal justice management, takes approximately three years to complete, and requires a minimum of sixty-six (66) semester hours.

The school offers doctoral candidates the opportunity to assist professors in undergraduate teaching. Students may become involved in teaching either by being awarded a teaching assistantship or by taking CCJ 5944, a supervised teaching course. Teaching assistants may be assigned to assist with a variety of courses and are responsible for designing their own course outlines, lectures, and examinations. Teaching assistants are assigned faculty mentors who may be consulted concerning teaching assignments.

The school also offers its students exposure to scholarly and practical research. Each year the school and the Department of Corrections sponsor the Southern Conference on Corrections. This conference attracts a number of state and local professionals as well as academics from around the country. Students are encouraged to attend and participate in this conference. Special student presentations of research papers may be arranged. National and international papers on correctional issues, are regularly included in the southern conference schedule.

Because of our location in Florida’s capital city, students in the School of Criminology and Criminal Justice are afforded many employment opportunities with various state, local, and federal agencies, including the Florida Department of Law Enforcement (FDLE), Tallahassee Police Department, Florida Department of Corrections, Florida Department of Probation and Parole, Health and Rehabilitative Services, state and federal courts, the Florida Legislature and its committees, the Office of the Governor and staff, local law enforcement agencies and state law enforcement training academies, a federal prison, and a number of related private firms. Numerous graduates of the school hold prominent positions within these agencies and firms.

Scholarships, Awards, and Financial Aid

Each year the School of Criminology and Criminal Justice offers a number of assistantships to incoming and continuing graduate students with excellent academic records. Assistantships require 13 to 20 hours of work per week. Work commitments vary by salary and job assignments. Tuition waivers are included as part of these awards. Only full-time graduate students are eligible for these awards. In addition to these awards, the school offers the Robert L. Clark Scholarship. This scholarship was established in 1980 by James and Carol Smith in honor of Robert Clark, chief administrator of the Broward County sheriff’s office for over 20 years. This scholarship is primarily designed for incoming graduate students. The award is made on an annual basis but may be continued for a second year and carries no work assignment. Students interested in this award should apply through the Office of the Dean, School of Criminology and Criminal Justice.

The school is responsible for awarding a number of assistantships to incoming graduate student. There are other University-wide fellowships that students may apply for through the President’s, dean’s, or graduate offices.

Admission Requirements

All regular requirements of the University must be met. The School of Criminology and Criminal Justice will exercise discretion in admitting students from among those who meet the minimum criteria specified below.

Applications for Fall and Spring semesters are accepted, though admissions in fall are the norm. For Fall admission, a completed application packet must be received by July 1. Application materials for Spring admission must be received by November 1. No applications are accepted for Summer admission.

Master’s Program

Applicants must submit evidence of a completed baccalaureate degree, a verbal and quantitative Graduate Record Examination (GRE) score, transcripts of all undergraduate and graduate study, three letters of reference from persons familiar with their academic performance and potential, and a personal statement between 300 and 500 words in length. A minimum score of 1000 on the combined verbal and quantitative portions of the GRE and an undergraduate upper-division grade point average (GPA) of 3.25 (on a 4.0 scale) is required for admission.

Doctoral Program

Applicants for the PhD program must submit the same materials listed for the master’s program, as well as evidence of a completed master’s degree and a copy of their master’s thesis or equivalent research paper. PhD applicants must meet the minimum admissions requirements listed for master’s applicants and achieve a 3.5 GPA in their master’s degree study.

Degree Requirements

All Graduate Students

All regular requirements of the University must be met.

All graduate students must achieve a grade of “B” (3.0) or better in each of the following required courses: CCJ 5285, 5605, 5606, 5705, and 5706. Approved equivalent courses from other programs may be substituted for the above.

In addition to those courses required for the master’s degree, all doctoral students must complete CCJ 5609, 5707 and 5740.

All graduate students are expected to meet the equivalency of an undergraduate research methods/statistics course (CCJ 4700) before enrolling in CCJ 5705 or 5706. Those not meeting this requirement must take CCJ 5704 before enrolling in CCJ 5705 or 5706.

Master of Arts

Students studying for the MA degree must satisfy the requirements listed above for all graduate students. The sufficiency of additional coursework work is determined by the student’s supervisory committee. PhD students must also fulfill the University residency requirement of completing twenty-four (24) credit hours within a twelve month period. Qualification for PhD candidacy is established upon the passing of written comprehensive examinations in three areas: theory, research methodology, and a substantive area approved by the student’s committee. Theory and methods exams are graded by school-wide committees; the substantive exam is graded by the student’s supervisory committee.

A dissertation prospectus must be approved by the student’s supervisory committee after the passing of comprehensive examinations. A minimum of twenty-four (24) hours of dissertation credits will be earned by all doctoral students. Completion and successful oral defense of the dissertation will lead to the awarding of the PhD.

Doctor of Philosophy

Students pursuing the PhD must satisfy the requirements listed above for all graduate students. The sufficiency of additional coursework work is determined by the student’s supervisory committee. PhD students must also fulfill the University residency requirement of completing twenty-four (24) credit hours within a twelve month period. Qualification for PhD candidacy is established upon the passing of written comprehensive examinations in three areas: theory, research methodology, and a substantive area approved by the student’s committee. Theory and methods exams are graded by school-wide committees; the substantive exam is graded by the student’s supervisory committee.

A dissertation prospectus must be approved by the student’s supervisory committee after the passing of comprehensive examinations. A minimum of twenty-four (24) hours of dissertation credits will be earned by all doctoral students. Completion and successful oral defense of the dissertation will lead to the awarding of the PhD.
The primary purpose of the College of Education is to prepare administrators, teachers, educational researchers, educational policymakers, human services specialists, and other professional personnel for a wide range of educational careers in both public and private settings. In support of this purpose, the faculty of the college is committed to conducting research that contributes to the science of education; to the ongoing assessment and improvement of educational practice; and to the development of theory, policy, and execution of educational practice, both domestic and foreign. In order to accomplish this purpose, the college offers master’s, educational specialist, and doctoral degrees.

The Florida State University’s College of Education’s conceptual framework is based on a model that engages faculty, professional partners, and candidates in a continuing process of preparing educational leaders for a global and diverse society. The University prepares educational leaders to uphold high professional and academic standards, and employs scientific inquiry and assessment as a basis for the continual improvement of student learning. These qualities are developed as candidates study and work within a community of professional partners. The needs and abilities of diverse students are addressed through the use of appropriate instructional strategies and technologies.

The following programs have curricula which enable the college to meet its purpose.

### Departments and Programs of the College of Education

#### Department of Educational Leadership and Policy Studies

- Adult education
- Comprehensive vocational education
- Educational administration/leadership
- Evaluation and measurement
- Research and evaluation
- Foundations of education
- History and philosophy of education
- International/intercultural development education
- Social science and education
- Higher education
- Institutional research
- Certificate in college teaching
- Certificate in education policy
- Certificate in human resource development

#### Department of Educational Psychology and Learning Systems

- Combined program in counseling psychology and school psychology
- Counseling and human systems
- School psychology
- Educational psychology
- Sports psychology
- Educational research and testing
- Research design and statistics
- Instructional systems
- Certificate in educational technology
- Certificate in online instructional development
- Certificate in program evaluation

#### Department of Middle and Secondary Education

- English education
- Health education
- Mathematics education
- Multilingual/multicultural education
- Science education
- Social science education
- Certificate in teaching English to speakers of other languages

#### Department of Childhood Education, Reading, and Disability Services

- Early childhood education
- Elementary education
- Emotional disturbance/learning disabilities
- Education of the mentally handicapped
- Reading education and language arts
- Rehabilitation counseling
- Special education
- Visual disabilities
- Certificate in early childhood/special education

#### Department of Sport Management, Recreation Management and Physical Education

- Physical education
- Recreation and leisure services administration

The College of Education offers graduate degree programs in numerous fields of study. The programs prepare students for positions in a variety of professional settings and enterprises: elementary and secondary schools, junior colleges, and universities; vocational centers; organizations that provide counseling services; career development; personnel services; adult education; leisure services; athletic training; testing; evaluation and measurement; institutional research; policy studies; organizational design and development; needs assessment for systems planning; and instructional design, development, and evaluation. Each field of study allows the student to develop an individualized program of study around a core curriculum in a chosen degree program.

Most master’s level and specialist degree programs require students to take a required core of courses, course work in an area of specialization, and a comprehensive examination and/or a thesis. Most full-time students require one or two years to complete a master’s degree program. The doctoral degree programs are designed to provide educational experiences that enable students to acquire a thorough understanding of theoretical and methodological foundations of the discipline and related areas of specialization. Upon the completion of core requirements, students take preliminary examinations to certify their mastery of the knowledge base underlying the practice of the discipline. Students seeking the doctoral degree must demonstrate their capacity to do original, independent, and integrative scholarly research by completing a dissertation.

### Facilities and Opportunities

The College of Education houses two college-wide centers and six departmental research and service centers that provide research facilities and support research undertaken by faculty members and students. College-wide centers are the Center for Policy Studies in Education and Center for the Study of Teaching and Learning. Departmental research and service centers are the Center of Educational Research Evaluation Services, Center for the Study of Technology in Counseling and Career Development, the Hardee Center for Women in Higher Education, Community Education Services, The Florida State University School, and Institute for the Studies in Higher Education. In addition to these, a University-wide center, the Learning Systems Institute, represents an interdisciplinary group of researchers in educational and experimental psychology, communications, policy studies, and management and is the nation’s leading producer of instructional systems design technology for use in a variety of educational settings throughout the world. All of these research arms frequently hire graduate students from the College of Education to assist with state, federal, and international grants and to provide invaluable resources and opportunities for applied educational research.

### Admission Standards

Students considered for admission to the college must present either a 3.9 grade point average (GPA) for their junior/senior years as an undergraduate or a score of 1000 on the Graduate Record Examinations (GRE). All applicants to the college must also submit a GRE score as part of the admission process. Individual departments may have additional requirements for admission. Students should consult appropriate department chapter of this Bulletin for details. The College of Education is committed to increasing the proportion of teacher candidates who have historically been underrepresented among Florida’s public school teachers, and applicants representing such groups will be considered for exceptions to the general and departmental admissions criteria.
Graduate Programs and Degree Requirements

The College of Education offers the master of arts, master of science, specialist in education, doctor of education, and doctor of philosophy degrees.

Graduate program curricula in the College of Education are governed by University-wide graduate studies regulations. These serve as minimum requirements, but College of Education and/or department requirements may exceed them. The supervisory committee is responsible for evaluating the recency and validity of all prior course work. Graduate students in education should become familiar with University, college, and department requirements soon after admission.

The progress of students through degree programs is the personal responsibility of the individual student with appropriate guidance from the major professor and supervisory committee. The Office of Academic Services, 108 Stone Building, monitors students’ degree progress and checks each student’s record for graduation. It is the responsibility of the student to become fully aware of the regulations set forth in this Graduate Bulletin in addition to the policies and procedures of the College of Education administered by the Office of Academic Services.

Master’s Degree Program

1. Admission as a regular graduate student in a degree program is required.
2. The major professor and supervisory committee should be selected and approved during the first semester of enrollment. The committee must consist of a minimum of three members. All members must hold master’s or doctoral directive status. Two members, including the major professor, must be from the major in which the student will receive a degree.
3. The program of study should be prepared, submitted, and approved during the first semester of enrollment. The program of study must also include all courses required for the degree, i.e., master’s comprehensive exams and/or thesis defense and thesis hours, if applicable.
   a. A minimum of thirty-two (32) semester hours of graduate credit must be completed with a 3.0 GPA in course-type programs. Twenty-one (21) semester hours of credit in the course-type program must be taken on a letter-grade basis (A, B, C). The department may require students in course-type programs to complete more than thirty-two (32) semester hours.
   b. A minimum of thirty (30) semester hours of graduate credit must be completed with a 3.0 GPA in thesis-type programs. Eighteen (18) semester hours of credit in the thesis-type program must be on a letter-grade basis.
   c. Work taken more than seven years prior to graduation may not be used toward the degree.
   d. Only six (6) hours of transfer credit will be applicable toward the degree.
   e. The maximum number of 4000 level hours that may be included in the program of study is six (6) hours.
   f. Students in thesis-type programs must be registered for a minimum of one (1) hour of thesis credit in the semester that their degree will be awarded.
4. A written comprehensive examination for course-type programs and an oral defense for thesis-type programs may be required by most departments. Clearance to schedule these examinations must be obtained from the Office of Academic Services, 108 Stone Building. Students must have a 3.0 GPA in all graduate work to be eligible to register through the University Registrar and the department. Students also must have an approved program of study/supervisory committee form on file in the Office of student services before clearance will be given. Students lacking these materials will not be allowed to take their examinations. The results of the examination/defense must be submitted to the Office of Academic Services upon completion.
5. The thesis prospectus (if required) must be submitted to the department chair prior to the defense.

Specialist Degree Program

The specialist in education degree is an advanced master’s degree. Requirements vary by department or program specialization.

1. Admission as a regular graduate student in a degree program is required.
2. The major professor and supervisory committee should be selected and approved during the first semester of enrollment. The committee must consist of at least four members. Three members must hold doctoral directive status. Two members, including the major professor, must be from the major in which the student will receive a degree.
3. The program of study should be prepared, submitted, and approved during the first semester of enrollment. The program of study must also include all courses required for the degree, i.e., specialist comprehensive exam, thesis hours, and thesis defense, if applicable.
   a. A minimum of thirty (30) semester hours of graduate credit must be completed with a 3.0 GPA. Twenty-one (21) semester hours of credit in the course-type program must be taken on a letter-grade basis (A, B, C). Eighteen (18) semester hours of credit in the thesis-type program must be on a letter-grade basis. The department may require students to complete more than thirty (30) semester hours.
   b. Half of all the course work must be in the field of education.
   c. Requirements related to extension of transfer credit, residency, recency of work, supervised research and supervised teaching, thesis requirements, and satisfactory/unsatisfactory (S/U) course option are applied to the specialist in education degree in the same manner as they are to the master’s degree.
   d. Students in thesis-type programs must be registered for a minimum of one (1) semester hour of thesis credit in the semester that their degree will be awarded.
4. A written comprehensive examination for course-type programs and an oral defense for thesis-type programs may be required by most departments. Clearance to schedule these examinations must be obtained from the Office of Academic Services, 108 Stone Building. Students must have a 3.0 GPA in all graduate work to be eligible to register through the University Registrar and the department. Students also must have an approved program of study/supervisory committee form on file in the Office of Academic Services before clearance will be given. Students lacking these materials will not be allowed to take their examinations. The results of the examination/defense must be submitted to the Office of Academic Services upon completion.
5. The thesis prospectus (if required) must be submitted to the department chair prior to the defense.

Doctoral Degree Programs

1. Admission as a regular graduate student in a degree program is required.
2. The major professor and supervisory committee should be selected and approved during the first semester of enrollment. The committee must consist of at least four members. Three members must hold doctoral directive status. Two members, including the major professor, must be from the major in which the student will receive a degree. One member represents the graduate faculty at large and holds doctoral directive status.
3. Students admitted to a doctoral program (doctor of education or doctor of philosophy degree) must, before the end of the second semester, take a departmentally administered diagnostic/qualifying examination. It will be designed to assess the student’s ability to pursue the doctor of education or doctor of philosophy degree in the field and to facilitate counseling in the development of the student’s program of study.
4. The program of study should be prepared, submitted, and approved after passing the diagnostic/qualifying exam. The program of study must include all courses required for the degree, i.e., doctoral preliminary exams, dissertation hours, and dissertation defense. The program must include courses designed to meet the research tool requirements, which are the basic statistics and research design skills for pursuing independent inquiry. Students seeking the doctor of philosophy degree must include the University residency requirements on the program of study (twenty-four [24] semester hours in three consecutive semesters or 12 months). Students seeking the doctor of education degree have the option of completing the University residency requirement by registering for thirty (30) semester hours during a 16-month period. Twelve (12) semester hours of the
residency requirements in either the doctor of philosophy or doctor of education degree must be exclusive of supervised research, supervised teaching, and dissertation hours.

5. A written and oral preliminary examination is required. Clearance to schedule these examinations must be obtained from the Office of Academic Services, 108 Stone Building. Students must have a 3.0 GPA in all degree work to be eligible to register through the University Registrar and the department. Students must also have the following on file in the Office of Academic Services before clearance will be given:
   a. An approved program of study/supervisory committee form; and
   b. Departmental diagnostic examination results.

Students lacking these materials will not be allowed to take their examinations. Successful completion of the exam admits students to doctoral candidacy. Students must be admitted to candidacy at least six months prior to graduation. The results of the examination must be submitted to the Office of Academic Services upon completion.

6. A prospectus of the dissertation must be submitted to the department chair after passing the preliminary examination. It must be approved by the associate dean at least four months prior to the defense of the dissertation.

7. Students must register for a minimum of two (2) hours of dissertation credit in each semester that work is in progress on the dissertation. Not less than twenty-four (24) hours of dissertation credit must be included in the degree program. Dissertation credits may not be taken until the student is formally admitted to candidacy.

8. Students must register for a minimum of one (1) semester hour of dissertation credit in the semester their degree will be awarded.

Office of Academic Services
Director: Kenneth B. Tellis
The Office of Academic Services provides a wide array of professional and administrative services to students and faculty in the college and throughout the University. The primary responsibilities of this office are to: 1) process applications for admission and re-admission to the College of Education; 2) maintain the dean’s academic records for all students who are pursuing degrees in education; 3) monitor student’s degree progress; 4) screen and approve students for admission to the teacher education program; 5) conduct required graduation clearance and approve students for teacher certification; and 6) provide consultative and administrative services for the students and faculty in the college.

Planning Guide to Teacher Education Programs

Florida Statute 1004.04 and State Board of Education Rule 6A-5.066

The Florida State University teacher education programs have been designed to address the importance of democratic values and institutions, the contributions of various ethnic groups to society and to stress character development, which encourages appreciation of diversity in a pluralistic society. Students planning to complete a teacher education program at The Florida State University must meet all the conditions listed below to be eligible to have a degree conferred.

In addition to those programs offered through the College of Education, the following approved graduate teacher education programs are offered through other schools or colleges:

- Art Education (School of Visual Arts and Dance)
- Communication Disorders (College of Communication)
- Educational Media Specialist (School of Information Studies)

Criteria for Admission and Application to a Teacher Education Program

1. Achieve a score of 1000 on the combined aptitude portions of the Graduate Record Examination (GRE), or have passed all sections of the Florida CLAST (waivers or other alternative means of meeting this requirement are not acceptable), or have passed the General Knowledge Test;

2. Earned a baccalaureate degree from an accredited institution;

3. Complete an application for admission to a teacher education program in the Office of Academic Services, 108 Stone Building. Note: this is distinct from admission to a college or school.

4. Approval of the department in accordance with departmental criteria; and

5. Approval of the Office of Academic Services.

Total program length 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 and State Board of Education Rule 6A-5.066, Approval of Preservice Teacher Preparation Programs.

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 of interpreting data, and using data to improve student achievement;

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

Note: students should consult with a program advisor for specific course requirements.

Criteria for Admission and Application to a Teacher Education Program

1. Maintain an overall GPA of 3.0 or above in all course work (some programs may require a higher GPA);

2. Complete standards and 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 each of the General Knowledge Test, the Professional Skills Test, and Subject Area Test on the Florida Teacher Certification Exam (FTCE) prior to completion of program requirements;

5. Successfully complete the student teaching experience;

6. Receive verification from the appropriate academic program of successful demonstration of the Educator Accomplished Practices at the preprofessional 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.

Recommendation for a Teaching Certificate

Upon completion of an approved teacher education program and conferral of the degree from The Florida State University, students are eligible to receive a recommendation for a standard teaching certificate.

Office of Clinical Partnerships (Student Teaching)

Director: Charlotte S. Minnick
The director of clinical partnerships is responsible for the assignment of students for student teaching experiences. The director works with teacher education programs in the University and the public schools of Florida in the organization of student teaching centers and the selection of supervising teachers for student teachers. Faculty members work with supervising teachers and student teachers in planning and carrying out the student teaching experience. The Office of Clinical Partnerships is responsible for the final identification and screening of all students who make application for student teaching.

Students are assigned for the student teaching experience in those counties listed below at the rate of at least two representing the same academic program. Academic programs may, at their discretion, establish a minimum group size greater than two and restrict placement to particular counties among those identified. Exceptions to this policy will be made only through successful appeal on the part of a student to the University student teaching appeals committee. Student teachers representing
the programs of social work, human sciences, communication disorders, visually impaired, music, and vocational home economics education will also be concentrated in those counties listed but may be placed in additional locations should program certification requirements dictate their use.

Placement Locations

Area I—Gadsden, Jefferson, Leon, Madison, Taylor, and Wakulla counties;

Area II—Bay, Calhoun, Gulf, Jackson, Liberty, Okaloosa, Walton, and Washington counties;

Area III—Brevard, Orange, Seminole, and Volusia counties;

Area IV—Hillsborough, Manatee, Pasco, Pinellas, Polk, and Sarasota counties; and

Area V—Broward, Dade, and Palm Beach counties.

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.

Application to Student Teaching

An application for student teaching must be submitted to the Office of Clinical Partnerships according to the following schedule:

Note: application materials are available only online at http://www.coe.fsu.edu/student_teaching/stforms.html

Third Monday in September for Spring semester student teachers.

Second Monday in February for Fall semester student teachers, and

First Monday in April for Summer term student teachers (restricted).

Criteria for Admission to Student Teaching

The following criteria are required for placement to student teach:

1. Admission to teacher education outlined above under ‘Criteria for Admission and Application to Teacher Education Program’;

2. Completion of at least one semester of residence at The Florida State University;

3. Successful completion of subject area specialization and professional education coursework outlined under ‘Subject Area Specialization/Professional Education/ Clinical Experience Curricula’;

4. Completion of departmental requirements in computer literacy; and

5. An overall GPA of 3.0 in all graduate program coursework (a higher GPA may be required by some academic programs for particular core courses); and

6. Successful completion of standards, specific clinical experiences set by the program or the University.

Office of Minority Affairs

Director: Bruce Daniels

The College of Education Office of Minority Affairs takes the lead in assisting the College of Education at The Florida State University in its efforts to becoming a wholesome environment for under-represented students. The support of educational goals for under-represented students is provided by activities that encompass the academic, social and professional realms of education.
FAMU—FSU COLLEGE OF ENGINEERING

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

The FAMU-FSU College of Engineering was authorized by the 1982 legislature as a joint program between Florida A&M University and The Florida State University. Graduate programs of study lead to the Master of Science (MS) degrees and doctor of philosophy (PhD) degrees in biomedical, civil, chemical, electrical, industrial and mechanical engineering. A student entering the college applies for admission at one of the two universities and must satisfy the admission and general degree requirements of the University, the college and the department respectively. The degree is granted by the College of Engineering through the university where the student is registered.

The mission of the College of Engineering is:

• to provide an innovative academic program of excellence at both the undergraduate and graduate levels, judged by the highest standards in the field and recognized by national peers;
• to attract and graduate a greater number of minorities and women 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.

Facilities

The College occupies over 200,000 ft.² 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, the Center for Advanced Power Systems and other university, public and private organizations engaged in research, development and clean industry operations.

Each department of the college operates specialized laboratories for teaching and research that are listed in the description of its programs.

The College operates for the common use of all programs a computing facility, a library and reading room, and a machine shop.

Library

The main book and journal collections for engineering are housed in the Dirac Science Library at The Florida State University and in the Coleman Library at Florida A&M University. The College also maintains an engineering library resource and reading room (sometimes referred to simply as engineering reading room or college library) that functions as a satellite to the two research 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 at the college have access to a large number and variety of computing resources in the College of Engineering. Due to the unique requirements of engineering computing and the off-campus location of the college, the college is relatively autonomous in providing service to engineering students.

The college has over 2,500 computing devices connected to its local network managed by the college’s Computing and Multimedia Services (CMS). Over 220 of these machines for general student use are high-end Pentium class workstations supported by a cluster of Sun Enterprise servers and RAID storage system. Computer labs connect to the college’s gigabit fiber-optic backbone via 100Mbp Ethernet connections. One of the computer labs is open 24 hours a day, 365 days a year; the other two are used as classrooms and are maintained open with technical support over 70 hours per week. 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. 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 SGI boxes to perform complex number crunching for simulations. CMS maintained a 99.999% up-time availability of computing resources.

The college’s computing infrastructure uses a gigabit core Layer 3 switch to connect all communications via gigabit fiber optic cables. The college Internet connection is a gigabit link connecting through the Florida State University backbone (FSU acts as the Internet Services provider for the college) allowing for faster access to the Internet2 and NSF’s vBNS network. Florida A&M University’s computing facilities are also connected to the Tallahassee MAN, thus providing a link to the college for its students. In addition to local Ethernet network, the college has set up a wireless server infrastructure with access points in the college atriums for students who may want to use their own laptops to connect to the college’s computing resources.

The college also provides remote dial-in capability to all student, faculty and staff. The dialup hardware consists of remote access servers allowing up to 70 concurrent dial-up users. This allows the users to perform research and other activities from remote sites.

The college has state of the art instructional classrooms all equipped with multimedia equipment. Three classrooms are prepared as computer classrooms. The instructional computer facilities include: a LCD projector, overhead projector, a document camera, a VCR, an amplifier and a set of high quality speakers. The ceiling mounted LCD projector is used for large-scale projection, linked to the PC at the instructor’s console with a 100 Mbp Ethernet connection. A special Florida Engineering Education Delivery System (FEEDS) classroom has 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 Branch Campus in Panama City, Florida, provides interactivity to synchronous distance delivery of classes to those students.

There is a C-band and KU-band satellite downlink for viewing in multimedia classrooms and in the atrium connectors over the closed circuit TV system. The Real Video G2 server is used to stream live and recorded programs, classes and events from the college. The Poly Com VS4000 provides for 4-point IP videoconferences.

Supporting Facilities

The college participates in several research centers, both within the college and in cooperation with other departments, intended to foster learning opportunities for students and research advancement by noted faculty. They include the Center for Advanced Power Systems (electrical and mechanical engineering), the Center for Intelligent Systems, Control and Robotics (mechanical and chemical engineering), the Center for Materials Research and Technology (physics), the Center for Nanomagnetics and Biotechnology (chemical, biomedical and mechanical engineering), the Computation Science and Information Technology Center (computer science and mechanical engineering), the Florida Advanced Center for Composite Technologies (industrial engineering), the Geophysical Fluid Dynamics Institute (physics), the Industry/University Cooperative Research Center (industrial engineering), the Institute of Transportation Technologies (civil engineering), the Multidisciplinary Design Center, the National High Magnetic Field Laboratory (mechanical engineering and physics). Other specialized laboratories are included in the various departmental listings.

Opportunities

A large number of graduate students in the College of Engineering are supported through department teaching or research assistantships. University fellowships are available for exceptionally qualified students. In addition, tuition waivers for graduate assistants and fellows are available on a competitive basis. Students should contact the department of their proposed major regarding financial support.
Master of Science Degree

The departments of Chemical and Biomedical, Civil and Environmental, Electrical and Computer, Industrial and Manufacturing, and Mechanical Engineering offer both thesis and nonthesis programs for the Master of Science degree. The thesis-based programs are designed to provide the student with advanced course work and experience in the chosen engineering discipline. The nonthesis programs are designed to provide the student with a strong technical education with less emphasis on research. The thesis programs are appropriate for a student who plans to engage in research or to continue graduate studies for the doctoral degree. Candidates for the master’s degree must satisfy all regulations and requirements of the department in which they enroll. For additional departmental requirements consult the degree requirements under each department.

Doctor of Philosophy Degree

The doctor of philosophy degree is awarded after the student satisfies all requirements of the University, the College and the department, respectively. This degree is offered in biomedical, chemical, civil, electrical, industrial and mechanical engineering.

Admission Requirements

A candidate must meet the following minimum criteria to be considered for admission into the graduate program:

1. A Bachelor of Science degree in engineering or a closely allied field from an accredited institution of higher learning;
2. A grade point average (GPA) of 3.0 or better on a 4.0 scale on all work while registered as an upper-division student;
3. A score of at least 1000 on the Graduate Record Examinations (GRE), quantitative and verbal portions combined. All candidates must submit official exam scores prior to being admitted as a regular graduate student;
4. A minimum of 550 on the TOEFL examination (for international students only); and
5. Satisfy any admission requirements of the department.

For further details on graduate or research programs, contact the Office of Graduate Studies at (850) 410-6369 or by e-mail at gradstudy@eng.fsu.edu. The college also maintains a web site at http://www.eng.fsu.edu with detailed information on all its graduate programs.
CO U N V, HUMAN SCIENCES

Dean: Penny A. Ralston; Associate Deans: Bonnie Greenwood, 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 Palmer, Susan Watkins; Lincoln Chiropractic College Eminent Scholar Chair in Biomechanics: Steve Messier; Eminent Scholar in Family and Child Sciences: Frank Fincham; Dean Emerita: Margaret A. Sitton

The mission of the College of Human Sciences is to address global challenges and opportunities related to the physical, psycho-social, and economic factors influencing the health and well-being of people and communities. Human sciences is an interdisciplinary unit that prepares scholars who seek new knowledge and innovative solutions to the challenges of contemporary society.

Historically, the college has been a national leader in graduate education and research. Courses in the human sciences, formerly home economics, have been offered at The Florida State University since 1905. In 1926–27 the first master of science (MS) in home economics was offered, and in 1941 the doctor of philosophy (PhD) degree program in home economics was approved. Over the years a tradition of excellence has been established to ensure quality graduate study. The school was designated a college in 1976 in recognition of scholarly faculty, outstanding alumni, and nationally recognized programs and research. In 1989, the name was changed to the College of Human Sciences to appropriately describe the breadth and focus of academic study found in the college.

The Florida State University is the only comprehensive doctoral-granting institution in the human sciences in the state of Florida. For more than 15 years the College of Human Sciences has been one of the top 10 colleges and universities granting the PhD in human sciences in the nation. The College of Human Sciences is organized into three departments: Family and Child Sciences; Nutrition, Food and Exercise Sciences; and Textiles and Consumer Sciences.

In keeping with the University’s role as a comprehensive graduate research institution, the college program is based on the belief that sound intellectual development relies on an understanding of the underlying theories, principles, and concepts in each area of study and that research is an integral part of that endeavor. Both faculty and students are provided opportunities to test theories and to generate new knowledge through scholarly contributions to research.

The College of Human Sciences established the Mack and Effie Campbell Tyner Eminent Scholar Chair in 1986, the nation’s first million dollar endowed chair in the human sciences. The holder of the Tyner Eminent Scholar Chair rotates among departments in the college. The first Tyner Eminent Scholar was Dr. Konrad Bloch, Nobel Laureate and Emeritus Higgins Professor of Biochemistry at Harvard. Since that time the chair has been held by Dr. John Kinsella, General Foods Distinguished Professor of Food Science at Cornell University (1989); William S. Ruben, former Chief Executive Officer for Jordan Marsh, Florida and Bonwit Teller (1990); Jerry Vereen, President and CEO of Riverside Manufacturing Company (1993); Dr. Richard M. Lerner, who was then the Director of the Institute for Children, Youth and Families as well as Professor of Family and Child Ecology at Michigan State University (1994–95); James Banks, Professor of Education and Director of the Center for Multicultural Education, University of Washington (1997–98); Richard Palmiter, Professor of Biochemistry, University of Washington (1998–99); and Susan Watkins, professor emeritus, Cornell University (1999–2000.) Additional eminent scholars in the college include the Lincoln Chiropractic College Eminent Scholar Chair in Biomechanics currently held on a consulting basis by Stephen Messier, Professor of Biomechanics, Wake Forest University, and the Eminent Scholar Chair for the Director of the FSU Family Institute, currently held by Frank Fincham.

Facilities and Fellowships

Special laboratories that enhance and enrich the student’s education include: 1) Lectra Computer-Aided Design Laboratory; 2) the Burdines Merchandising Technology Laboratory; 3) 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; 4) the Resource and Technology Center which includes textbooks, reference materials, tapes, and other resources; 5) chemical, analytical, and microbiological laboratories for food and nutrition science majors; 6) the exercise physiology laboratory for monitoring the effect of exercise on metabolism for nutrition and fitness majors; 7) the motor learning/control laboratory for the study of cognitive processes and neural mechanisms controlling movement; 8) chemical and physical textile laboratories with a conditioning room and sensory evaluation laboratory; and 9) a state-of-the-art computer laboratory.

The individual departments of the college describe more fully the various facilities available; refer to them in the “Academic Departments and Programs” chapter of this Graduate Bulletin. A number of states have made arrangements for their residents to have access to the PhD in human sciences and the PhD in marriage and family through the academic common market, which allows their students to pay in-state tuition. Prospective out-of-state students may contact the college to see if their state is a member of the academic common market.

College fellowships and assistantships are available. Nomination for these fellowships and assistantships are made by the department. There are also graduate teaching and research assistantships available in each departmental area. See the “Academic Departments and Programs” section of this Graduate Bulletin for other scholarships and fellowships available.

Graduate Programs in Human Sciences

Master’s Degree Programs

Clothing, Textiles, and Merchandising with the following areas of emphasis:
- Apparel Product Development
- Residential Science
- Retail Merchandising
- Textiles

Family, Child, and Consumer Sciences with the following area of emphasis:
- Child Development
- Family and Consumer Sciences Education
- Family Relations

Food and Nutrition with the following areas of emphasis:
- Clinical Nutrition
- Food Science
- Nutrition Education and Health Promotion
- Nutrition Science
- Sports Nutrition

Movement Science with majors in:
- Exercise Physiology
- Motor Behavior

Doctor of Philosophy Degree Programs

Human Sciences with emphasis in one or more of the following:
- Apparel Product Development
- Family and Child Sciences
- Family and Consumer Sciences Education
- Food Science
- Human Nutrition
- Retail Merchandising

Movement Science with majors in:
- Exercise Physiology
- Motor Behavior
- Neuroscience

Marriage and the Family

Requirements

Minimum admission requirements include: 1) a baccalaureate degree from an accredited college or university; and 2) an academic average of at least 3.0 (on a 4.0 scale) on all work attempted while registered as an upper-division undergraduate student, or a 3.0 on a master’s degree from an accredited approved institution, or a total quantitative/verbal test score on the Graduate Record Examinations (GRE) of 1000 or higher. All prospective students must take the GRE prior to admission regardless of their grade point average. Applicants for the doctoral and masters programs must have three letters of
recommendation. The PhD program in marriage and the family requires personal interviews at the time of application to the program.

**Master’s Degree Program**

There are two types of programs for the master’s degree: the thesis-type and the coursework type. In the college there are three coursework options: special project, practicum, and all course work. See the “Academic Departments and Programs” section of this *Graduate Bulletin* for details about the requirements for each of these programs and to determine which options are available in the department.

The College of Human Sciences has developed policies in compliance with University policies for the master’s degree program. The college’s policies are given to students the first semester they enroll to guide them throughout their studies.

**Doctoral Degree Program**

The graduate faculty in the College of Human Sciences have developed policies for the doctoral degree programs in compliance with the University’s policies. Refer to the “Graduate Degree Requirements” chapter of this *Graduate Bulletin* for information about diagnostic examination, residence, program of studies, preliminary examination, prospectus, admission to candidacy, dissertation, and defense. Policies for doctoral degree programs are given to students the first semester they enroll. They give specific information and procedures to guide students throughout their studies.

There is no college-wide minimum course requirement; individual programs are planned to assist students in gaining sufficient mastery of their field to successfully complete the preliminary examination. All doctoral students in the College of Human Sciences take HOE 6938r, Proseminar in Home Economics (1–2). There is no college-wide foreign language, statistics, or other research tool requirement for the doctor of philosophy degree. Each department prescribes its own requirements.

**Certificate Programs**

The College of Human Sciences participates in the interdisciplinary graduate certificate program in museum studies through the Department of Textiles and Consumer Sciences. Designed to prepare students for museum careers, students are required to take four core courses (twelve semester hours) in museum basics, business, objects and education; and a museum internship (six semester hours) along with their regular departmental degree program.

The apparel design and retail merchandising certificate programs are designed to be completed concurrently with the Bachelor’s degree and allow students to double-count four graduate courses (12 hrs.) for both the BS and the graduate certificate.

The certificate program in residential development is a specialized curriculum for Housing. Residential sciences graduates who need the knowledge, skills and abilities to provide for the effective creation, delivery and management of housing projects. Creating housing for communities that meet market needs and satisfies community expectations is a necessary requirement if graduates are to perform and compete in today’s market. Students who are pursuing a Bachelor’s degree may count the required twelve hours in meeting the BS degree and may also apply these 12 credits to a graduate program in Housing.

**Combined Degree Program**

The Department of Nutrition, Food and Exercise Sciences offers a combined Bachelor’s/Master’s program that will enable outstanding undergraduate athletic training/sports medicine majors, through the College of Human Sciences to obtain a Bachelor’s and a Master’s degree after successfully completing a minimum of 148 semester hours. The program is designed for the student who wishes to continue his/her education in NFES past the undergraduate level to earn both a Bachelor’s degree and a Master’s degree.
The multi- and inter-disciplinary domains represented in library and information studies offers some of the most diverse and rewarding professional opportunities available today. Powerful information technologies have fundamentally changed the nature of how information is produced, distributed, acquired, organized, stored, and preserved. We live in an increasingly interconnected information world, with technologies such as the internet, personal computers, and wireless connections significantly changing how we connect people and information.

The College of Information at The Florida State University is one of the top-ranked information studies programs in the nation. Its creative and innovative programs, based on well-established traditions, are dynamic and evolving within the ever changing global networked society.

Established in 1947 as a professional school, the College of Information now offers both undergraduate and graduate education. The master’s degree program in library and information studies is accredited by the American Library Association, and the college is a member of the Association for Library and Information Science Education (ALISE). The college was authorized in 1968 to offer the doctor of philosophy degree and in January 1997 to offer the specialist degree.

The college’s energetic faculty is highly visible in professional organizations and societies, professional conferences, publications, and significant research projects. This professional activity translates directly into a rich, intellectual environment that amply rewards students in their future career options. Our graduates are well-prepared to work in libraries, government agencies, corporations, and within any organization that has a significant need to bring people and information together.

Facilities

The Louis Shores Building houses all the classrooms, faculty and administrative offices, and usability and networking laboratories. The Harold Goldstein Library includes professional materials and juvenile and young adult literature collections. The college provides wireless connections to the University’s communication system.

Scholarships, Awards, and Financial Aid

There are a number of financial aid sources which are administered by the college, as well as those sources administered by the University. Applications and criteria for selection may be obtained by writing, emailing or calling the college.

Graduate Assistantships. The college administers a program of graduate research, service, and teaching assistantships, which require work in the college assisting faculty in teaching and research, staffing the college’s library and laboratories, or assisting in the college’s teaching information technology infrastructure. Stipends for these awards vary depending upon the specific assignment. To be considered for these awards, students should complete the college’s application for graduate assistantships available on the college’s website at http://www.lis.fsu.edu.

Scholarships and Fellowships. The college administers a program of scholarships resulting from the generosity of alumni and other friends. To be considered for a scholarship, students should complete the college’s application for scholarships. Information about specific scholarships and fellowships is provided on the college’s website: http://www.lis.fsu.edu. In addition to these sources, prospective students should consult the website of the American Library Association, http://www.ala.org.

Requirements for All Incoming Graduate Students

All new main campus graduate 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 website at http://www.lis.fsu.edu.

Master’s Degree Program

Students will gain the basic theoretical foundation, knowledge, and introductory skills necessary to function effectively in professional positions in the field of library and information studies.

1. Students will interpret the role of the information profession and will be aware of its conceptual framework as a basis for their practice in a variety of information environments in a multicultural society;
2. Students will demonstrate a knowledge of the present and future roles and functions of information professionals in relation to the environments in which they operate;
3. Students will demonstrate a knowledge of the basic principles of professionalism to analyze critically their roles and establish future directions for the profession;
4. Students will demonstrate a basic knowledge of the functions and activities that commonly take place in the information field and will place these activities in a rational framework within the appropriate information environment;
5. Students will become acquainted with major information environments and recognize the similarities, differences, and interrelationships of these settings;
6. Students will gain knowledge of techniques and skills that underlie basic information activities, and, in selected areas, more advanced techniques;
7. Students will develop the ability to adapt to changing demands and opportunities for information provision in society, including the application of current techniques and technologies; and
8. Students will begin to analyze, evaluate, and articulate a professional philosophy based on an integrated view of the role of the information profession in society and the role of the information professional in helping individuals and groups effectively fulfill their information needs.

Two types of programs are available at the master’s level:

Master of Science Program. Requirements are outlined below under ‘Degree Requirements.’

Master of Arts Program. In addition to the requirements outlined below under ‘Degree Requirements,’ see the ‘Special Master of Arts Requirements’ in the ‘Graduate Degree Requirements’ chapter of this Graduate Bulletin.

The College of Information features web-based courses that permit graduate students to earn a master’s or specialist’s degree without coming to campus. Additional information about this opportunity is available at: http://www.lis.fsu.edu. Graduate Bulletin

Degree Requirements

The master’s degree program consists of a minimum of forty-two (42) semester hours of graduate courses. Students are required to take the following core courses: LIS 5271, Research in Information Studies; LIS 5408, Management of Information Organizations; LIS 5411, Introduction to Information Policy; and LIS 5703, Information Organization. Students choose one of five concentrations or, in consultation with their faculty advisor, they may develop a general concentration. Students must take an additional required course within their chosen concentration plus five elective courses within the concentration, for a total of eighteen (18) semester hours in the concentration. The five concentrations and their required courses are:

Information Architecture (required: Introduction to Information Architecture); Information Needs of Youth (required: LIS 5564, Information Needs of Children, or LIS 5565, Information Needs of Young Adults); Information Policy and Management (required: Information Leadership); Information Technology Management (required: LIS 5484, Managing Networks and Telecommunications, or LIS 5782, Database Management Systems); and Knowledge Management (required:
LIS 5603, Introduction to Information Services.) The remaining course work may be selected from other concentrations.

**Admission Requirements**

Admission to the School is a two-step process involving completion of a statement of purpose for the college and completion of an application for admission to a graduate program at the University. Both applications may be obtained online at http://www.lis.fsu.edu.

All applicants must meet the university's standards for admission including:

1. Possession of a baccalaureate degree from an approved college/university; or
2. Presentation of evidence of a grade point average (GPA) of at least 3.0 (4.0 = A) in the last two years of the baccalaureate degree (or of a 3.0 on a master's degree from an accredited university) or a minimum score of 1000 on the combined verbal/quantitative portions of the Graduate Record Examinations (GRE); and
3. Presentation of a minimum TOEFL score of 550 by international students.

Note: all students must submit a GRE score regardless of GPA.

The school reserves the right to use stricter admission standards than the University's minimum requirements.

**Language Requirement**

There is no foreign language requirement for the master of science degree in library and information studies. There is a foreign language requirement for the master of arts degree.

Applicants may be required to furnish additional personal information upon request.

**School Library Media Specialist Certification Admission Requirements**

Applicants for the master's degree, who plan to seek school library media specialist certification must meet the University's and the college's standards for admission and acceptance. Students interested in school library media specialist certification should consult the college's website for requirements at http://www.lis.fsu.edu. Students seeking certification must do so as part of a graduate degree program in information studies.

**International Internships**

The college offers internship opportunities in conjunction with The Florida State University International Programs. Internships are currently available in London and Florence for one-semester or one-year periods.

**Master's Degree Time Frame**

The work for the master's degree must be completed within seven years from the time the student first registers for graduate credit. Graduate students must maintain an average of “B” (3.0) or better in all work taken at the graduate level. No course with a grade below “C” (2.0) will be credited toward a graduate degree, and no student is eligible for the conferral of a degree if the overall grade average is less than a “B”.

Students whose grades fall below “B” in any semester are placed on academic probation for the next term; academic dismissal may follow if the minimum GPA is not achieved in the following semester.

**Specialist Degree Program**

The specialist degree program addresses the need of information professionals to be aware of new areas within their field and to improve skills and/or develop additional competencies. This program is based on the identified needs of the information professional and is planned cooperatively between students and faculty members. Students will acquire the knowledge and competencies to perform at higher levels within their area of professional interest. Students will develop the capabilities to assume leadership roles in the profession and society. Program objectives are:

1. The student will achieve an in-depth knowledge of new developments and trends in library and information studies;
2. The student will gain an increased expertise in area(s) of specialization; and
3. The student will gain increased insights into the importance of the information profession.

This degree requires thirty (30) semester hours beyond the master's degree. Students enrolled in the specialist program should consider their individual needs and professional development in the selection of courses either in the School of Information Studies or in other departments. Each specialist candidate who has been accepted should plan a program with the major professor at the earliest opportunity.

For further information, visit the college's website: http://www.lis.fsu.edu.

Each applicant will be considered individually. Admission will be based, generally, on previous academic performance, individual interest and need, and professional promise. A GPA of 3.2, a score of 1000 on the GRE, and three letters of reference are minimum admission criteria. The college reserves the right to set higher admission standards.

**Doctor of Philosophy Program**

The doctor of philosophy degree (PhD) is a research degree awarded as the result of independent and comprehensive scholarship in a particular area. The student will become familiar with a wide range of research methods and will develop a background in social science and information theory and phenomena, culminated by a dissertation of significant research. The goal of the Ph.D. program is to produce highly qualified researchers for academic, corporate, nonprofit, or governmental settings.

The objectives of the doctoral program are:

1. To produce highly qualified researchers
2. To prepare graduates with sufficient skills and knowledge to be successful critical scholars, who are familiar with standard techniques of library and information science research, and who are aware of the multiplicity of problems in the information field to which these research techniques may be applied.

Each student's program is planned individually in concert with members of his/her Academic Program Committee (APC). Together they must formulate a comprehensive program of study that will ensure a mastery of major and minor areas of interest.

**Admission Requirements**

Applicants generally will hold a Master's degree (or its equivalent). Applications from prospective students, reporting a wide range of fields are encouraged due to the interdisciplinary nature of doctoral activity. A student must first meet the minimum requirements for admission to The Florida State University Graduate School as stated in the Graduate Bulletin.

Admission to the PhD program is highly selective, based upon the assessment of a number of factors which, when taken together, provide evidence that the applicant possesses superior scholastic ability, has the potential for success in a rigorous graduate program of research study, and will perform well within the broad context of information studies. Among the factors considered are the following:

1. Academic records of previous undergraduate, graduate, and professional studies;
2. Performance on the general aptitude sections of the GRE;
3. Quality and quantity of prior work experience;
4. Three or more references provided by the applicants to attest to their experience and their ability to complete advanced study and research successfully;
5. A personal statement that gives career objectives and describes the research interests and the specific qualifications of the applicant to pursue doctoral work; and
6. A recent research paper or writing sample.

Additional information concerning application materials is available on the college's website at http://www.lis.fsu.edu. Additional information concerning application materials is available on the college's website at http://www.lis.fsu.edu.

Prospective doctoral students are encouraged to consult the college’s Guidelines for Doctoral Students for further information, available on the college’s website at http://www.lis.fsu.edu.

**Study for International Students**

The College of Information welcomes applications from qualified international students.
The Florida State University and is pleased to have many distinguished information professionals from other countries among its alumni. The college customarily has international students in residence from a variety of countries. The college has a number of faculty with international experience and interests and believes that it offers a hospitable and productive environment for study by international students.

**International Students Requirements**

The Florida State University requires that all international students meet the following requirements. The student should:

1. Have at least a baccalaureate degree (or equivalent) from an approved college or university;
2. Be in good standing in the institution of higher education last attended;
3. Present evidence of a GPA of at least 3.0 on a 4.0 scale (where A = 4.0) as an upper-division undergraduate student or equivalent, determined by the University’s Office of Admissions, or a 3.0 on a 4.0 scale on a master’s degree from an accredited/approved institution, or a minimum score of 1000 on the combined verbal and quantitative portions of the general (aptitude) test of the GRE; and
4. Achieve a score of 550 or higher on the TOEFL (Test of English as a Foreign Language) examination.

**Note:** all students must submit a GRE score regardless of GPA.

In addition to these requirements, international students must meet the specific requirements of the College of Information for the program in which they wish to enroll. The college reserves the right to set admission standards higher than the University’s minimum requirements.

Because of the detailed information and the special processing required for admission of an international student, prospective students must complete their application at least six months prior to the fall term in which they wish to enroll.

International students are urged to contact both the School of Information Studies and the University’s Office of Admissions as soon as possible.

**Financial Aid for International Students**

The College of Information does not have scholarships which can be awarded to international students. In general, the college is not in a position to award financial aid to international students in the initial semester of enrollment. The college does have a small number of assistantships for which international students may apply in their second and subsequent semesters, although these awards are generally quite competitive.

**Certificate in Museum Studies**

The college participates in the Museum Studies Certificate Program, in conjunction with the College of Arts and Sciences, the School of Visual Arts and Dance and the College of Human Sciences. The interdisciplinary program combines courses from the College of Information with courses focused on specific museum topics. Additional information about the certificate program is available from the graduate coordinator.

**Certificate in Youth Services**

The Certificate in Youth Services is intended for people who are working in libraries and who wish to gain additional training in youth services but who do not wish to pursue a graduate degree. Students will gain skills in identifying appropriate information resources for youth, understanding the key developmental stages of youth, developing programs and services for youth and evaluating resources, programs, and services for youth.

Students are required to complete twelve (12) semester hours of course work, to include the following courses: LIS 5564, Information Needs of Children; LIS 5565, Information Needs of Young Adults; LIS 5567, International Literature for Children and Young Adults; LIS 5900, Directed Individual Study (3 semester hours); or LIS 5945, Internship (3 semester hours); LIS 5900 or LIS 5945 is intended to serve as a capstone experience for students in the certificate program.

Students will be assigned a faculty advisor upon entering the program, and will work with the faculty advisor to determine the appropriate capstone experience. The faculty advisor will approve the student’s plan of study upon admission to the program.

Students wishing to enroll in the certificate program will apply to The Florida State University as a special student and, once accepted, will provide a supplemental application for the School of Information Studies. Additional information about the certificate program is available from the graduate coordinator.
Students earn academic credit while learning to assume the role of attorney or judicial clerk in the litigation and adjudication of real cases. Jurisprudence externships are available with state trial and appellate courts, including the Florida Supreme Court and the federal courts. Externship opportunities with government agencies and commissions, the state attorney, the public defender, and legal services offices are also provided, as well as opportunities abroad with the International Bar Association in London. The college is also home to the internationally recognized Children’s Advocacy Center, which trains law students in legal advocacy with an emphasis on intensive one-on-one and small group instruction. The Center is instrumental in providing a broad range of legal services. With approximately 80 on-going cases, it represents children, persons with disabilities, and victims of domestic violence. It also handles special education, Medicaid, foster care, delinquency, criminal, school expulsions, developmental services, and supplemental security income (SSI) cases.

The Law Library is located in its own building which opened in 1983 and provides the most up-to-date legal research facility available in Florida. It consists of over 46,000 linear feet of shelving and seating capacity for over 400 at carrels or tables and in enclosed conference rooms, group study rooms, and computer assisted legal research and microcomputer labs. Law Library collections exceed 454,000 volumes and volume equivalents with more than 164,000 cataloged titles. Continuing subscriptions number more than 4,300. Law Library personnel provide training in LEXIS and WESTLAW; word processing programs are provided for student use on microcomputers available in the computer laboratory.

Special collections in the Law Library include rare legal materials from England, the United States, and Florida. Early printed editions of Bracton, Coke, and Glanville are held, as well as more recent publications, including a first edition of Blackstone’s Commentaries. There is a substantial collection of signatures, letters, signed portraits, and other memorabilia of the justices of the United States Supreme Court.

Law students also have access to the Paul M. Dirac Library and the Robert Manning Strozier Library of The Florida State University. Furthermore, the State Library of Florida, the Florida State Archives, and the Florida Supreme Court Library are within two blocks of the College of Law.

Interdisciplinary and Joint-Degree Programs

In order to further the goals of broad liberal arts education and scholarship, the College of Law has authorized interdisciplinary work for selected graduate students. Joint-degree programs, in which students receive both the juris doctor (JD) degree and a second graduate degree, are offered with the College of Business, the Department of Economics, the Department of Urban and Regional Planning, the Program in International Affairs, the School of Social Work, the School of Information Studies, and the School of Public Administration and Policy.

Upon the recommendation of the department chair, and with the permission of the Dean of the College of Law, a graduate student may take a limited number of College of Law courses related to the major field of study. Grade reports are reported on a satisfactory/unsatisfactory (SU) basis.

Credit hours earned in law courses prior to admission to the College of Law are not counted toward the minimum hours required for the law degree upon subsequent admission to the College of Law.

Additional information regarding law programs is contained in the College of Law Bulletin available from: Office of Admissions, College of Law, The Florida State University, Tallahassee, FL 32306 or at www.law.fsu.edu.

Summer Program in Law at Oxford

Director: Donna R. Christie

The College of Law conducts the oldest summer program in Oxford sponsored by an American law school. Since its establishment in 1973, law students from the United States and Canada and a limited number of graduate students in related fields, lawyers, and others have been taught by tenured members of the Oxford University and The Florida State University law faculties. The five and one-half week program begins annually on the Tuesday following Oxford’s Trinity term.

For information contact: Director, The Florida State University Summer Program in Law at Oxford, Tallahassee, FL 32306-1600; (850) 644-4578; http://www.law.fsu.academic_programs/international_law/oxford.

Degree Requirements

Eighty-eight (88) semester hours of course credit and six full semesters of residency are required for the JD degree. The following courses are currently required of all students: legal writing and research I (2), legal writing and research II (3), contracts I (3), contracts II (2), civil procedure (4), criminal law and procedure (4), torts (4), property I (2), property II (3), constitutional law I (3), constitutional law II (3), and professional responsibility (3). In addition to the courses listed above, each student must take an extensive writing course to fulfill the upper-level writing requirement.

Mindful of the special responsibility of lawyers in light of the monopoly given them, particularly as to those individuals who need and cannot afford their services, the College of Law has instituted a pro bono graduation requirement. Each degree-seeking student must do a minimum of 20 hours of pro bono work on behalf of indigent individuals or other uncompensated legal work in conjunction with an individual attorney, law firm, or organization on behalf of a disadvantaged minority; the victims of racial, sexual, or other forms of discrimination; those denied human and civil rights; or other work on behalf of the public interest.
Academic Policies

All academic policies of the College of Law can be found in on the College of Law’s website at: http://www.law.fsu.edu/current_students/rules/index.php.

The first-year curriculum is mandatory for all students. First-year students register for fifteen (15) semester hours during the Fall semester and fifteen (15) semester hours during the Spring. All other students must register for a minimum of twelve (12) semester hours of credit each Fall and Spring semester. Students may register for a maximum of eighteen (18) credit hours during the Fall and Spring semesters. Attendance during the Summer semester is not mandatory, nor is a specific credit hour requirement imposed.

In order to obtain the JD degree, in addition to the eighty-eight (88) semester hour requirement, students must earn a minimum of six semesters in residence. Twelve (12) semester hours of course credit are required to earn one semester of residency during the Fall and Spring terms.

The Florida State University College of Law is a full-time law school in accordance with the standards set by the American Bar Association. The minimum credit hour load requirement is designed to ensure that law students participate in their law studies on a full-time basis.

Authorization for less than the twelve (12) semester hour requirement will not be granted on the basis of the student’s need for outside employment. Full-time students are restricted to 20 hours of employment per week.

Attendance at all regularly scheduled classes is expected of all law students. Instructors will announce their specific attendance policy at the beginning of each term’s classes. Chronic unexcused absences may result in the student being dropped from the course or being awarded an administrative “F” grade.

Admission Requirements

Admission to the College of Law is a competitive process. Applications are accepted between October 1 and February 15 for admission 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. Applicants are encouraged to 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.

Admission decisions are based upon evaluation of each applicant’s potential for success in law school and in the legal profession and the extent to which the applicant’s background offers a unique contribution to a diverse educational environment in the College of Law. To this end, the Admissions Committee has authority over all matters pertaining to admissions.

Admission to the College of Law is a competitive process and applications with the strongest records are given priority. A majority of admissions decisions are made primarily on the basis of combining LSAT scores with undergraduate grades. In addition, the personal statement, resume, recommendation letters and strength of undergraduate program are reviewed for all applicants.

The committee seeks a talented and diverse student body and also takes into consideration factors such as applicant’s graduate study, significant activities of leadership, unique work or service experience, life experiences, history of overcoming economic or other social hardships, and similar distinguishing factors.

The college does not prescribe a specific undergraduate major. All applicants are required to have a baccalaureate degree from a nationally or regionally accredited college or university prior to commencing law study.

Every applicant must take the Law School Admissions Test (LSAT) administered by Law School Admissions Services. The LSAT is given in June, October, December, and February of each year. It is administered at The Florida State University and at test centers throughout the world. The test should be taken as early as possible so that applications can be acted upon without unnecessary delay. Scores from the February administration of the LSAT are the latest accepted for entrance into the next August entering class.

Applicants must register with the Law School Data Assembly Service (LSDAS), provided by Law School Admissions Services. An official transcript from every college attended is sent directly to LSDAS, which analyzes transcripts and sends results to the College of Law. Applicants register with LSDAS at the same time they register for the LSAT.

For application materials contact: Director of Admissions, The Florida State University, College of Law, Tallahassee, FL 32306-1601; (850) 644-3787 or at http://www.law.fsu.edu.

Financial Aid

There is no separate financial aid office in the College of Law. All financial aid inquiries can be directed to the Florida State University Office of Financial Aid at http://www.finaid.fsu.edu. For additional information, see the Financial Aid section of this Graduate Bulletin.

Student Services

The associate dean for student affairs assists students in all facets of student life, from financial aid to the adjustment to law school. The office of career placement within the college assists students in finding employment both during and after law school.

A special orientation program for all new students is held during the week prior to the beginning of classes to acquaint students with the college.
COLLEGE OF MEDICINE

Dean: 1. Ocie Harris; Associate Dean for Academic Affairs: Alma Little; Associate Dean for Health Affairs: Robert Brooks; Associate Dean for Research: Myra M. Hurt; Associate Dean for Student Affairs: Helen N. Livingston; Assistant Deans for the Regional Medical School Campuses: Michael Muszynski, Orlando Campus; Paul McLeod, Pensacola Campus; Bruce Berg, Sarasota Campus; Eugene Trowers, Tallahassee Campus; Director of the Clinical Learning Center: Sarah Sherraden; Director of the Medical Library: Barbara Shearer

The Florida State University College of Medicine has initial provisional accreditation from the Liaison Committee on Medical Education of the Association of American Medical Colleges and the American Medical Association to provide a four-year program of study leading to the medical degree (MD). The MD degree is a requirement for taking the United States Medical Licensing Examination (USMLE), and is a prerequisite for licensure for the practice of medicine in the United States.

The mission of the College of Medicine is to train generalist physicians for practice in ambulatory settings, specifically, to serve under-served populations, i.e., rural, inner city, and geriatric patients, in the state of Florida. The curriculum focuses on preparing primary care practitioners for Florida’s underserved senior, rural, and inner-city populations, but the Florida State University College of Medicine student selection process and the comprehensive physician training program do not exclude students interested in specialty medicine. Specialty training is a required part of the curriculum.

The Florida State University College of Medicine (FSUCOM) was created in June 2000 by a legislative act, Florida House Bill 1121/Senate Bill 1692, to serve the unique needs of the citizens of the state of Florida. The Program in Medical Sciences (PIMS), founded in 1971 as an expansion program of the University of Florida College of Medicine, is the foundation upon which The Florida State University medical school is built. The first two years of medical school, the basic sciences, will be taught at The Florida State University and housed in the new College of Medicine building, which houses the educational support facilities, administrative offices and academic units, has recently been completed. Basic medical science and clinical training courses that utilize state-of-the-art technology and nationally recognized academicians and clinicians at The Florida State University College of Medicine and at clinical sites elsewhere in Florida have been established. The Medical Library

The Florida State University College of Medicine has developed a 21st century library which is accessible to all faculty and students. The medical library is located in the College of Medicine Administration and Education Building. The library provides the most up-to-date, on-line resources for medical research and reference and houses current journals and books. The library maintains instructional support systems which utilize the latest technology and contain information appropriate to their basic science and clinical studies. The library also holds 650 shelf copies and provides access to a number of paper and on-line journals. The medical library also contains videotape records of clinical experiences of students, clinical lectures, problem-based-learning cases, and topical conferences and seminars.

Medical students also have access to the Paul M. Dirac Library and the Robert Manning Strozier Library of The Florida State University.

The Clinical Learning Center

The Clinical Learning Center, located in the education building of the College of Medicine, is a state-of-the art teaching and assessment center that provides opportunities for medical students to learn clinical skills in a simulated clinical setting. Students learn and practice hands-on clinical skills in a supportive environment that incorporates the latest and best innovations in interactive medical technology and education. Fourteen examination rooms and two consultation rooms are equipped with audio-visual equipment to record student-patient interactions for teaching and evaluation. Using standardized patients trained to portray an actual patient by simulating an illness or other physical findings, the Clinical Learning Center provides support for faculty in small group courses to help teach students' communication and physical exam skills.

Degree Requirements for the MD

The four years of medical education are divided into two years of basic science/preceptorship experiences, one year of clinical clerkships, and one year of post-clerkship electives or required course remediation or review. Students must successfully pass the USMLE Step 1 test and an observed Structured Clinical Examination (OSCE) at the end of the second year and the USMLE Step 2 and a graduation OSCE at the end of the third year in order to move to the next level of study and graduate. The curriculum undergoes constant evaluation and refinement; therefore, changes may be implemented to improve the educational program as a student progresses through the four years of study.

As part of the academic and clinical curriculum, the College of Medicine emphasizes the importance of research in the education of all medical students. The College of Medicine expects professional behavior of physicians in training when interacting with patients, colleagues, faculty, and staff by exhibiting caring and compassionate attitudes. Professional behavior encompasses altruism, accountability, compassion, devotion to duty, the practice of excellent medical care, and respect for others. These qualities and behaviors are evaluated as students are observed in relevant settings. In conferring the MD degree, the Florida State University College of Medicine certifies that the student is competent, knowledgeable and possesses those personal traits essential to practicing the art of medicine.

The PhD in Biomedical Sciences

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 research. Laboratory rotation in at least three laboratories during the first year is a degree requirement.

The direction and supervision of graduate work at the doctoral level resides primarily with the major professor and supervisory committee, which is comprised of 4 faculty members. Overall requirements include completion of all coursework, dissertation, teaching two semesters, participation in health sciences and biomedical science seminars, formal research seminar presentations, completion of an original research project, and successful defense of an acceptable dissertation.

Admission information for the Biomedical Sciences PhD program can be found at the College of Medicine website at http://med.fsu.edu/.

Academic Policies

All academic policies of the College of Medicine can be found in the College of Medicine Student Handbook, which is made available to all students who enter the college and on-line at http://med.fsu.edu/education.
All basic science courses and clerkships so noted are mandatory for all students. The first year is a twelve-month curriculum. The second year is nine-months. The third and fourth years are eleven-months each.

The four-year Florida State University College of Medicine is a full-time allopathic medical school in accordance with the standards set by the Association of American Medical Colleges and Schools and the American Medical Association Liaison Committee on Medical Education. The minimum credit hour load requirement for each cohort is designed to ensure that the full-time medical student will complete their medical studies within a four-year period of time.

Authorization for less than the full-time status will be granted by the Dean of the College of Medicine upon the recommendation of the Student Evaluation and Promotion Committee (EPC) and the Associate Dean for Student Affairs. A recommendation of an extension of attendance time by the EPC will be based on a compelling need as presented by the student.

Admission Requirements

The inaugural class of the Florida State University College of Medicine (FSUCOM) was admitted to medical school at Florida State University in May of 2001. Admission to the College of Medicine is a highly competitive process with between 1000 and 1200 applications processed to select the students admitted. A number of academic and personal factors are considered by the admissions office and the College of Medicine selection committee when admitting students to medical school.

The unique characteristics of medical education in the College of Medicine include clinical experiences beginning in the first year of medical school, the mission to select students with a high likelihood of choosing a career in primary health care, community-based clinical rotations in the third and fourth year in one of several community campuses in Florida, and a student-oriented learning environment which values teamwork and the doctor/patient relationship.

The College of Medicine is searching for students who have demonstrated through their lifestyle a commitment to service to others and encourage applications from traditional students, nontraditional students, and students from rural, inner city or other medically underserved areas of the state of Florida.

To apply to the College of Medicine at The Florida State University, 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 application, an applicant should have applied through the American Medical College Application Service (AMCAS) and should have taken the Medical College Admission Test (MCAT). To receive the FSUCOM formal application, an applicant should have completed the Free Application for Federal Student Aid (FAFSA). These applications are available directly through banks, credit unions, savings and loan associations, and other participating lenders. The subsidized Federal Stafford Loan is available in the Office of Financial Aid, 4400 University Center, Florida State University, Tallahassee, Florida 32306-2430.

National Health Service Corps. Medical students in training for the specialties of family medicine, general pediatrics, general internal medicine, general psychiatry, or obstetrics/gynecology are eligible to apply for the repayment program supported by the Health Service Corps. A recipient must agree to provide primary care services in a priority health professional shortage area for a minimum period of two (2) years. To receive more information about the National Health Service Corps, contact 1-800-221-9393.

Additional scholarship and fellowship information can be found on the College of Medicine’s website.

Financial Aid

Stafford Loans. These educational loans are available directly through banks, credit unions, savings and loan associations, and other participating lenders. The subsidized Federal Stafford Loan is based on financial need. Interest is paid by the government while the student is in school.

The Unsubsidized Federal Stafford Loan is available to students who do not qualify in-whole or in-part for the subsidized Federal Stafford Loan. It is not based on need, and interest is not paid by the government but accrues while the student is in school.

To apply for the Federal Stafford/Unsubsidized Stafford Loans, a student must complete the Free Application for Federal Student Aid (FAFSA). These applications are available in the Office of Financial Aid, A4400 University Center, Florida State University, Tallahassee, Florida 32306-2430.

Student Services

The Office of Student Affairs in the College of Medicine assists students in all facets of student life, from financial aid to medical residency placement and medical career planning. Orientation programs for all new students are held in April and during the week prior to the beginning of classes in May. Student support coordinators provide assistance to students in Tallahassee and at the regional medical campuses as students progress through the College of Medicine.
Facilities

The Film School operates extensive production facilities for its graduate and undergraduate programs in the University Center “A” Building on The Florida State University campus in Tallahassee. Considered one of the finest facilities in the world devoted exclusively to film education, it includes two sound stages, a recording stage with Foley and ADR capabilities, a 120-seat screening theatre and three smaller screening rooms, three digital audio mixing suites, a computer laboratory, a set-building shop, a 35mm archive of feature films, a 5,000 title collection of films on videotape, DVD, and laserdisc, a large production research library, and digital editing suites for picture and sound. Production facilities are available for both 16mm and 35mm production.
The Florida State University

COLLEGE OF MUSIC

Dean: Don Gibson; Assistant Deans: Seth Beckman, Bentley Shellhammer, Leo Welch

The graduate program of the College of Music is one of the largest and most comprehensive in the country. Accredited by the National Association of Schools of Music since 1936, it has a long and illustrious history of graduating outstanding performers, composers, scholars, administrators, educators, and therapists.

Degree Programs Offered

The following degrees are offered through the College of Music: the master of music degree in performance, accompanying, piano pedagogy, choral conducting, instrumental conducting, jazz studies, music theory, composition, musicology (both historical musicology and ethnomusicology), opera, and music therapy; the master of music education degree; the master of arts degree in arts administration; the doctor of philosophy degree in music education; the doctor of philosophy degree in music (specializations in historical musicology, ethnomusicology, and music theory); the doctor of education degree in music education; and the doctor of music degree in composition or in performance (piano, voice, violin, viola, violoncello, double bass, guitar, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, tuba, percussion, and organ). The doctor of philosophy degree in humanities with an emphasis in music is available from the College of Arts and Sciences. For more detailed information about these degree programs, consult the graduate studies office in the College of Music. All students working toward master’s and doctoral degrees in music register directly in the College of Music.

Certificate Programs

In addition to its degree programs, the College of Music offers a number of certificate programs that provide an additional specialized area of emphasis for graduate students. These include certificate programs in church music, jazz studies, piano pedagogy, early music, music of the Americas, world music, piano technology, pedagogy of music theory, special music education, harpsichord performance, college teaching, music education and leadership, arts administration, and organ performance. A post-master’s artist certificate in performance is available in opera, violin, viola, violoncello, and piano. Further information about admission to, and special requirements of, these programs is available from the graduate studies office.

Music Facilities

The College of Music enjoys excellent teaching, research, and performance facilities. The two College of Music buildings are located on Copeland Street, the west side of the campus. The Kuersteiner Building, completed in 1948 and recently renovated, is a four-story structure connected to the Wiley L. Housewright Music Building, which was completed in 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 student and faculty recitals, concerts, and lectures. The Ernst von Dohnanyi Recital Hall, located in the Housewright Music Building, is a 218-seat recital and lecture facility, while the 125-seat Lindsay Recital Hall, located in the Kuersteiner Building, is also used for recitals and lectures. Outdoor performances are scheduled during the fall and spring in the Owen F. Sellers Music Amphitheatre, while the 1,575-seat Ruby Diamond Auditorium provides an impressive environment for opera and major concert productions.

Music Library

The Warren D. Allen Music Library 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 library provides a pleasant setting conducive to the efficient utilization of the extensive collection of over 145,000 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. A librarian 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 for the 16th-century Madrigal Christmas Dinner and various opera workshop scene programs.

Organ

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.

Assistantships

Graduate assistantships are available in most areas of study in the College of Music. Application forms for graduate assistantships are available from the graduate music office. The annual stipend varies from $3,000 to $6,000, depending upon the amount of service rendered, the nature of the service, and the qualifications of the student. Graduate assistants usually receive a waiver of a significant portion of both in- and out-of-state tuition.

Application Requirements

Applicants for graduate music degree programs will be admitted after careful consideration of their credentials. A bachelor’s or master’s degree in music from an accredited institution is generally considered a prerequisite for admission; in cases where the undergraduate degree is not in the same area planned for graduate study, the student must demonstrate a level of achievement fully equivalent to the bachelor of music degree in the graduate field concerned. In addition, applicants for master’s degree programs must: 1) fulfill University-wide admission requirements; and 2) meet College of Music requirements for specific degree programs. These may include auditions, interviews, letters of recommendation, writing samples, or the submission of composition scores. Applicants for doctoral programs must also pass a diagnostic examination for admission to advanced study in the field concerned, usually during the first semester in residence.

Master of Arts Degree in Arts Administration

Offered to candidates in preparation for roles as leaders in designing, implementing, and managing arts activities. The requirements include seven to eight (7–8) semester hours in music core courses, fourteen (14) semester hours in arts administration core courses, eight to nine (8–9) semester hours in appropriate electives, and nine (9) semester hours in an arts administration internship in music.

Master of Music Performance

Voice, Organ, Violin, Viola, Violoncello, Double Bass, Harp, Guitar

Twelve (12) semester hours in applied music, including recital; two (2) semester hours
in ensemble; two (2) semester hours in music bibliography; six (6) semester hours in music history and music theory; and ten (10) semester hours in music and/or nonmusic electives.

**Piano**

Twelve (12) semester hours in applied music, including recital; four (4) semester hours in solo piano literature; two (2) semester hours in ensemble; two (2) semester hours in music bibliography; six (6) semester hours in music history and music theory; and six (6) semester hours in music and/or nonmusic electives.

**Accompanying**

Eleven (11) semester hours in applied music, including recitals; two (2) semester hours in chamber music ensembles; two (2) semester hours in vocal or instrumental accompanying; four to six (4–6) semester hours in vocal or instrumental literature; two (2) semester hours in music bibliography; six (6) semester hours in music history and music theory; and seven to nine (7–9) semester hours in music and/or nonmusic electives.

**Piano Pedagogy**

Twelve (12) semester hours in applied music, including recital; two (2) semester hours in advanced piano pedagogy; four (4) semester hours in keyboard literature; two (2) semester hours in accompanying; two (2) semester hours in music bibliography; six (6) semester hours in music history and theory; and two (2) semester hours in music electives.

**Harpsichord**

Twelve (12) semester hours in applied music, including recital; two (2) semester hours in ensemble; two (2) semester hours in music bibliography; six (6) semester hours in music history and music theory; two (2) semester hours in early keyboard literature; and eight (8) semester hours in music and/or nonmusic electives (continuous playing and performance practice are recommended).

**Woodwinds, Brasses, and Percussion**

Twelve (12) semester hours in applied music, including recital; two (2) semester hours in ensemble; six (6) semester hours in wind pedagogy and wind literature; two (2) semester hours in music bibliography; six (6) semester hours in music history and music theory; and four (4) semester hours in music or nonmusic electives.

**Multiple Wind Instruments**

A candidate for the master of music degree, with the approval of a committee of wind faculty, may elect the master of music program in multiple wind instruments. Minimum requirements include eight (8) semester hours in major instrument, two to four (2–4) semester hours in minor instruments (choice of two), four (4) semester hours in recitals, two (2) semester hours in ensemble, six (6) semester hours in wind pedagogy and wind literature, two (2) semester hours in music bibliography, six (6) semester hours in music history and music theory, and zero to two (0–2) semester hours in music or nonmusic electives.

Performance majors must place at the MV–(B, K, P, S, V, or W) 5451–5456 level to be accepted into the program.

Off-campus or taped auditions qualifying for the MV–5451–5456 level must be reaffirmed by an on-campus audition.

**Choral Conducting**

Fifteen (15) semester hours in choral literature, advanced choral techniques, choral and orchestral conducting, and choral conducting project recital; three to five (3–5) semester hours of applied music; two (2) semester hours in ensemble; two (2) semester hours in music bibliography or appropriate substitute; six (6) semester hours in music history and music theory; and four (4) semester hours in music or nonmusic electives.

**Instrumental Conducting**

Eight to ten (8–10) semester hours in wind ensemble/band or orchestral conducting and recitals; six (6) semester hours in music literature; eleven (11) semester hours in music history and music theory; four (4) semester hours in applied music; two (2) semester hours in music bibliography or appropriate substitute; zero to two (0–2) semester hours in ensemble; and three to five (3–5) semester hours in music electives.

**Jazz Studies**

Twenty-one (21) semester hours in jazz studies, including jazz history, commercial music, contemporary media, jazz theory/arranging, jazz ensemble techniques, jazz improvisation, jazz ensembles, and jazz recital; three (3) semester hours in college teaching in higher education; four (4) semester hours in applied music; two (2) semester hours in music bibliography; six (6) semester hours in music history and music theory; and two (2) semester hours in music and/or nonmusic electives.

**Master of Music Theory**

Twenty-one (21) semester hours in music theory, consisting of three (3) hours in readings in contemporary theory and analysis, six (6) hours in pedagogy of music theory, three (3) hours in history of music theory, three (3) hours in 16th-century counterpoint or fugue, three (3) hours of Schenkerian analysis, and three (3) hours of atonal analysis; five (5) semester hours in music history; two (2) semester hours in music bibliography; six (6) semester hours in thesis; and three (3) semester hours in nontheory electives. Reading proficiency in German must be demonstrated by examination. The degree will be awarded upon completion of a written and oral comprehensive examination and defense of thesis.

**Master of Music Composition**

Six (6) semester hours in composition, three (3) semester hours in readings in contemporary theory and analysis; six (6) semester hours in pedagogy of music theory; six (6) semester hours in advanced theory courses; two (2) semester hours in music history; two (2) semester hours of applied music; six (6) semester hours in thesis; and three (3) semester hours in a music or nonmusic elective. The degree will be awarded upon completion of a 30-minute chamber recital of new works, a written and oral comprehensive examination, and defense of thesis.

**Master of Musicology**

The master of music degree in musicology has two emphases: historical musicology or ethnomusicology.

**Historical Musicology**

Two (2) semester hours in music bibliography; three (3) semester hours in introduction to historical musicology; three (3) semester hours in seminar in historical musicology; twelve (12) semester hours in world music cultures and music history period courses; three (3) semester hours in ensembles; three (3) semester hours in introduction to ethnomusicology; three (3) semester hours in music in the United States; three (3) semester hours in music theory; and six (6) semester hours in thesis.

**Ethnomusicology**

Three (3) semester hours in introduction to ethnomusicology; three (3) semester hours in seminar in ethnomusicology; three (3) semester hours in seminar in field and laboratory techniques in ethnomusicology; three (3) semester hours in music in the United States; three (3) semester hours in introduction to historical musicology; two (2) semester hours in music bibliography; three (3) semester hours in an elective anthropology course (approved by the student's adviser); six (6) semester hours in thesis; three (3) semester hours in world music ensembles; and six (6) semester hours in world music electives.

All musicology candidates will be required to develop a reading knowledge of German or French (or, for ethnomusicology only with the adviser's approval, a working knowledge in a language related to the candidate's thesis area).

Candidates must place at the MV–(B, K, P, S, V, or W) 5351–5356 level in the applied music principal series.

**Master of Opera Production**

**Coaching Emphasis**

Nine (9) semester hours in applied music; two (2) semester hours in opera coaching; four (4) semester hours in opera literature; two (2) semester hours in vocal/instrumental accompanying; three (3) semester hours of an opera coaching project; two (2) semester hours of music bibliography; two (2) semester hours of advanced conducting; six (6) semester hours of music history and theory; and six (6) semester hours of electives.

**Directing Emphasis**

Fourteen (14) semester hours in opera courses, including opera production, opera directing, and seminar in opera literature; two (2) semester hours in opera coaching; two (2) semester hours in music bibliography; nine (9) semester hours in music history and music theory; three (3) semester hours in music and nonmusic electives (suggested courses include theatre, dance, arts administration, business, or languages); and three (3) semester hours in an opera directing project.
Master of Music Therapy

The graduate degree in music therapy requires a minimum of eighteen (18) semester hours in music therapy and related courses in music and allows for cognate studies in fields such as psychology, sociology, criminology, and habilitative sciences. Programs are planned individually with each student, following examinations that assess training, experience, and career objectives.

The master of music degree in music therapy may be awarded upon completion of a minimum of thirty (30) semester hours of approved graduate course work with an acceptable GPA and successful completion of a thesis and master’s thesis defense.

The master of music degree in music therapy may be awarded, without a thesis, upon completion of a minimum of sixty-six (66) semester hours of approved graduate course work with an acceptable GPA and successful completion of graduate clinical practicum and master’s comprehensive examination.

Master of Music Education

Sixteen (16) semester hours in music education, including seminar and thesis; six (6) semester hours in music theory and music history; two (2) semester hours in music bibliography or an appropriate substitute; two (2) semester hours in applied music; and six (6) semester hours in a nonmusic subject area.

A candidate for the master of music education degree, with the approval of the graduate music education committee, may elect a nonthesis plan which requires a minimum of thirty-six (36) semester hours of course work, including a three (3) hour directed individual study project under the direction of the major professor.

The Doctor of Philosophy Degree

Music Education

Offered to candidates who pursue the course of study with distinction and who show ability to do research and scholarly study.

Seventy (70) semester hours beyond the baccalaureate degree (forty [40] semester hours beyond the master’s degree) is the minimum requirement for graduation, excluding credit earned in dissertation. At least twenty (20) semester hours beyond the baccalaureate degree must be in music education. Nine (9) semester hours each must be taken in two of the following areas: musicology, theory, education, psychology, composition, performance, or related fields.

The PhD degree in music education is also available with an emphasis in music therapy. That emphasis requires seventy (70) semester hours beyond the baccalaureate degree (forty [40] semester hours beyond the master’s degree) as the minimum requirement for graduation, excluding credit earned in dissertation. At least thirty (30) semester hours beyond the baccalaureate degree must be in music therapy and music education. Nine (9) semester hours each must be taken in two of the following areas: musicology, composition, theory, computers in music, education, psychology, or related fields. In addition to general admission requirements, acceptance to the program is based on I) two years of experience beyond the master’s degree as a certified/registered music therapist, and 2) a diagnostic examination assessing the applicant’s ability for advanced work in the field.

Music with a Specialization in Music Theory

Offered to applicants who demonstrate superior musicianship and scholarship. In addition to the admission requirements, acceptance to the program is based on: 1) recognized bachelor of music degree or its equivalent, including two years of a foreign language; 2) the graduate music classification examination in music theory, music history, and applied music; and 3) a diagnostic examination which will further assess the applicant’s qualifications for advanced work in the field.

A minimum of seventy (70) semester hours beyond the baccalaureate degree (forty [40] semester hours beyond the master’s degree), excluding credit earned in dissertation, is required. This will include six (6) semester hours in a doctoral seminar in music theory, three (3) semester hours in advanced Schenkerian analysis, three (3) semester hours in advanced musicology or music education seminar, twenty-two (22) semester hours in music or nonmusic electives, and six (6) semester hours in a cognate field outside music. All requirements for the master of music degree in music theory are considered prerequisite to taking the doctoral diagnostic examination. Reading proficiency in a foreign language in addition to German must be demonstrated by examination. The degree will be awarded upon completion of a written and oral preliminary examination and defense of dissertation.

Music with a Specialization in Musicology

Offered to applicants who demonstrate superior musicianship and scholarship. Emphases in historical musicology or ethnomusicology may be pursued within the major.

A minimum of seventy (70) semester hours beyond the baccalaureate degree (forty [40] semester hours beyond the master’s degree), excluding credit earned in dissertation, is required. This will include twelve (12) semester hours in advanced seminar in musicology. All requirements for the master of music degree in musicology are considered prerequisite to taking the doctoral diagnostic examination. A reading knowledge of French and German, or other languages pertaining to the area of specialization, is required.

The Doctor of Education Degree

Music Education

Offered to candidates who pursue the course of study with distinction and show promise as outstanding administrators or master teachers of music.

Seventy (70) semester hours beyond the baccalaureate degree (forty [40] semester hours beyond the master’s degree) is the minimum requirement for graduation, excluding credit earned in dissertation. At least twenty (20) semester hours beyond the baccalaureate degree must be in music education. Nine (9) semester hours each must be taken in two of the following areas: musicology, theory, education, psychology, composition, performance, or related fields.

The Doctor of Music Degree

Composition

Offered to candidates who have achieved distinction in composition and who demonstrate ability to do research and scholarly study.

A minimum of seventy (70) semester hours beyond the baccalaureate degree (forty [40] semester hours beyond the master’s degree), excluding credit earned in dissertation, is required. All requirements for the master of music degree in music composition are considered prerequisite to taking the doctoral preliminary examination.

1. Twelve (12) semester hours in composition; six (6) semester hours in writing skills (16th-century counterpoint and fugue); two (2) semester hours of conducting; and twenty (20) semester hours of electives are required.

2. A public recital of chamber works and a reading or a performance of the dissertation (a major work) are required.

3. The degree will be awarded upon completion of a written and oral preliminary examination and defense of dissertation. In exception to University-wide regulations, it is not mandatory to complete the preliminary examination or to file a prospectus six months prior to graduation.

Performance (piano, organ, guitar, voice, violin, viola, violoncello, double bass, flute, oboe, clarinet, saxophone, bassoon, trumpet, horn, trombone, tuba, or percussion): offered to candidates who have achieved distinction in public performance and who demonstrate ability to do research and scholarly study. At least seventy (70) semester hours beyond the baccalaureate degree, forty (40) semester hours beyond the master’s degree, is the minimum requirement, excluding a minimum of twenty-four (24) semester hours credit earned in recitals and research treatise. The following are concentrations under the Doctor of Music Degree in Performance.

1. Thirty (30) semester hours will be in the field of major concentration, including ensemble.

2. Of the remaining forty (40) semester hours, one area of not fewer than eight (8) semester hours is required in music history or music theory/composition; two (2) semester hours in music bibliography; and thirty (30) semester hours of electives, of which at least twenty-two (22) semester hours must be in music electives.

Piano, Violin, Viola, Violoncello, Double Bass, or Guitar Majors

1. Thirty (30) semester hours will be in the field of major concentration, including

Piano Performance Majors (Accompanying/Chamber Music Emphasis)

1. Thirty (30) semester hours will be in the field of major concentration, including
techniques of coaching for chamber music, opera, and voice; continuo playing; harpsichord; and ensemble.

2. Of the remaining forty (40) semester hours, one area of not fewer than eight (8) semester hours is required in music history or music theory/composition; two (2) semester hours in music bibliography; twelve (12) hours in vocal and chamber music literature; and eighteen (18) hours in electives, of which at least twelve (12) hours must be in music electives.

Voice Performance Majors
(General Emphasis)

1. Thirty (30) semester hours will be in the field of major concentration, including recital and repertoire coaching, and ensemble.

2. Of the remaining forty (40) semester hours, one area of not fewer than eight (8) semester hours is required in music history or music theory/composition; two (2) semester hours in music bibliography; and thirty (30) semester hours of electives, of which at least twenty-two (22) semester hours must be in music electives.

Voice Performance Majors
(Opera Performance Emphasis)

1. Thirty (30) semester hours will be in the field of major concentration, including opera workshop and opera coaching.

2. Of the remaining forty (40) semester hours, one area of not fewer than eight (8) semester hours is required in music history or music theory/composition; two (2) semester hours in music bibliography; and thirty (30) semester hours of electives, of which at least twenty-two (22) semester hours must be in music electives.

Voice Performance Majors
(Pedagogy Emphasis)

1. Thirty (30) semester hours will be in the field of major concentration, including applied voice, vocal pedagogy, and recital and repertoire coaching.

2. Of the remaining forty (40) semester hours, one area of not fewer than eight (8) semester hours is required in music history or music theory/composition; two (2) semester hours in music bibliography; three (3) semester hours of behavior modification; and twenty-seven (27) semester hours of electives, of which at least nineteen (19) semester hours must be in music electives.

Flute, Oboe, Clarinet, Bassoon, Saxophone, Trumpet, Horn, Trombone, Tuba, or Percussion Majors

1. Thirty (30) semester hours will be in the field of major concentration, including ensemble, and including not less than six (6) semester hours in wind and percussion pedagogy and wind and percussion literature.

2. Of the remaining forty (40) semester hours, one area of not fewer than eight (8) semester hours is required in music history or music theory/composition; two (2) semester hours in music bibliography; and thirty (30) semester hours of electives, of which at least twenty-two (22) semester hours must be in music electives.

Organ

1. Thirty (30) semester hours will be in the field of major concentration, including ensemble, continuo playing, applied harpsichord, and literature/reertoire courses.

2. Of the remaining forty (40) semester hours, eight (8) semester hours are required in music history, music theory, and/or composition; one (1) semester hour in music bibliography; and thirty (30) semester hours of electives, of which at least twenty-two (22) semester hours must be in music electives.

All Performance Majors

1. Performance and research requirements consist of two one-hour public recitals, one studio recital or lecture/demonstration, one performance of operatic role (voice majors only), and three chamber works (on the same or different program). Students are also required to write a research treatise on a subject related to their major field. For voice performance majors with an opera emphasis, the requirements are one public recital, two major opera roles, and one lecture recital/project. Opera emphasis students should consult with their major professor regarding the treatise or non-treatise track. For voice performance majors with a pedagogy emphasis, the requirements are two vocal accompanying recitals, two instrumental chamber music recitals, lecture recital, and the research treatise.

2. The preliminary examination is administered under University-wide regulations, except it is not mandatory to complete this examination six months prior to graduation.

3. The dissertation requirement is satisfied by registration for the recitals and the research treatise. The examination in defense of dissertation is satisfied by the examinations administered prior to recitals and by the defense of research treatise.

Certificate in Performance

The Certificate in Performance is designed for the advanced performer with exceptional potential for a performance career. Applicants must have completed a master’s degree in performance and be able to demonstrate performance ability comparable to the technical and musical proficiency of a young professional performer.

In addition to an audition (see audition requirements below), a complete application for the arist certificate program will include submission of both the Florida State University and College of Music applications and a repertoire list, representative programs, performance reviews, and other materials that will demonstrate evidence of experience and knowledge of repertoire.

Opera

The Certificate in Performance with an emphasis in opera requires sixteen (16) semester hours in applied music; six (6) semester hours in opera coaching; four (4) semester hours in opera literature; four (4) semester hours of opera workshop; a minimum of two opera roles (four [4] semester hours); the choice of either a third opera role or a solo recital (two [2] semester hours); a Graduate Project (two [2] semester hours); and four (4) semester hours of music or non-music electives (suggested courses include costume history, opera production, opera directing, history, theory, dance, theatre and language.)

Strings (Violin, Viola, Violoncello)

The Certificate in Performance with an emphasis in strings requires sixteen (16) semester hours in applied music; ten (10) semester hours of supporting courses (e.g., chamber literature, ensembles, performance practice seminar); two solo recitals and one chamber recital (six [6] semester hours); and ten (10) semester hours of electives.

Piano

The Certificate in Performance with an emphasis in piano requires sixteen (16) semester hours in applied music; twelve (12) semester hours of supporting course (e.g., solo music literature, early keyboard literature, duo piano, chamber music, performance practice seminar); two solo recitals and one chamber recital (six [6] semester hours); and eight (8) semester hours of electives.
SCHOOL OF NURSING

Dean: Katherine P. Mason
The Florida State University master of science program in nursing (MSN) offers a dual emphasis graduate curriculum with both clinical specialization and role development tracks. The program may be completed in four to five semesters of full-time study or may be pursued on a part-time basis. The master’s nursing program has received full accreditation by the National League for Nursing.

Master of Nursing-
Programs of Study

The following programs of study are offered:

Family and Adult in the roles of nurse practitioner, clinical nurse specialist, nurse educator, and clinical specialist case manager. The post master’s programs offer focused studies in nurse practitioner, clinical specialist, case manager, and nurse educator roles.

Facilities

Academic Resources. The School of Nursing has varied and abundant resources to support graduate study. The Learning Resource Center (LRC) on the third floor of the school has journals, reference texts, and other media such as films, tapes, and slides available for graduate study.

The Computer Lab on the fourth floor has a variety of computers for graduate student use. Software and hardware are available for use. Also, graduate students are allotted funds for computer use related to the production of their thesis research projects. Literature reviews can be facilitated through a variety of computer-based searches.

The Nursing Technology Lab (NTL) is a suite that houses equipment and supplies for skill practice in areas such as advanced health assessment. The adult and pediatric human patient simulators provide unique opportunities to refine specific skills.

Clinical Facilities. Acute care hospitals, county public health units, indigent care clinics, private physicians offices, health maintenance organizations, walk-in clinics, state-level health agencies, case-managed organizations, and educational facilities are used for clinical experience. Students have input into the selection of sites for clinical experience to meet their specific learning needs and practice interests.

Opportunities

Upon graduation from the program, the student receives a master of science in nursing degree or a master in nursing degree (non-thesis option) which allows nursing practice in specialized areas with advanced practice. Graduates in the role areas of family or adult nurse practitioner and clinical nurse specialist may apply for licensure as an Advanced Registered Nurse Practitioner (ARNP) in the state of Florida.

American Nursing Association (ANA) certification in the specialty areas may also be sought upon graduation as well as other national certification organizations for specialties. Employment opportunities in advanced nursing practice within case manager, nurse educator, clinical nurse specialist, and adult/family nurse practitioner roles are available for the graduate. There is a great need for nurse educators and nurse case managers and opportunities abound.

Scholarships/Awards

Financial assistance in the form of assistantships, scholarships, traineeships, and loans is available for qualified students through the School of Nursing or the University financial aid office. Federal nurse traineeships are awarded by the graduate committee of the School of Nursing for full-time study. The graduate committee also awards the University graduate teaching or research assistantship funds allocated to the school each year. Applications for financial assistance are considered each semester.

Requirements

Applicants to the graduate program in nursing are expected to meet the general requirements of the University for graduate study. Established admission requirements include:

1. Baccalaureate degree in nursing from a program accredited by the National League for Nursing;
2. A minimum score of 1000 on the Graduate Record Examinations (GRE);
3. A grade point average (GPA) of 3.0 (on a 4.0 scale) in upper-division course work in the baccalaureate nursing program;
4. Current licensure as a registered nurse in Florida;
5. One year of employment as a baccalaureate registered nurse prior to clinical courses is preferred;
6. Three letters recommending the applicant for graduate study;
7. Evidence of health assessment skills through successful completion of either formal graduate course work or challenging exams;
8. Successful completion of a graduate-level course in inferential statistics prior to graduate research course;
9. Written statement of professional educational goals; and
10. Evidence of current malpractice insurance.

Statement of Professional Conduct

While enrolled in the School of Nursing graduate program, the student is expected to demonstrate conduct and behavior which conforms with the Nurse Practice Act of the State of Florida, the Florida State University Student Conduct Code, Workplace Violence Guidelines, the Academic Honor Code and all other applicable rules and policies of the University. The School of Nursing reserves the right to refuse or discontinue the enrollment of any student whose conduct or behavior is so negative, disruptive, or destructive as to compromise the work of fellow students, the effectiveness of the faculty, and/or the ability to work positively in a collaborative environment consistent with the aforementioned policies and guidelines.

The Florida Board of Nursing, as well as other state and private agencies used for clinical practice, requires the disclosure of conviction records for misdemeanors and/or felonies; therefore, this information will be required at the time of application. A level II criminal background check (includes FDLE and FBI) is required and must be on file at the School of Nursing before admission. Applicants will be provided with fingerprint cards and waiver forms at the time they apply to the School of Nursing. The cost of the background check is approximately $50.00 and must be paid by the student.

Academic Performance/
Academic Honor Code

School of Nursing graduate students are expected to make satisfactory academic progress consistent with the University’s minimum retention standards for graduate studies. Student and faculty responsibilities for maintaining academic honesty and integrity are outlined in The Florida State University Academic Honor Code and Student Conduct Code. The School of Nursing graduate program reserves the right to refuse or discontinue the enrollment of any student who fails to maintain the academic integrity of the program as described in these codes.

Academic Requirements

No clinical course for which a student receives a grade of “B-” (2.75 quality points) or below may count toward any graduate degree in the School of Nursing.

Students in the graduate program are required to maintain a 3.0 grade point average in all nursing course work each semester. Failure to do so will result in the student’s placement on academic probation. During the semester in which the student is on academic probation she/he is expected to improve the nursing GPA to a 3.0 or greater. The inability to meet this expectation will require that the student be dismissed from the program.

Scholarships and Awards

Financial assistance in the form of assistantships, scholarships, traineeships, and loans is available for qualified students through the School of Nursing or the University financial aid office. Federal nurse traineeships are awarded by the graduate committee of the School of Nursing for full-time study. The graduate committee also awards the University graduate teaching or research assistantship funds allocated to the school each year. Applications for financial assistance are considered each semester.

Requirements

Applicants to the graduate program in nursing are expected to meet the general requirements of the University for graduate study. Established admission requirements include:

1. Baccalaureate degree in nursing from a program accredited by the National League for Nursing;
2. A minimum score of 1000 on the Graduate Record Examinations (GRE);
3. A grade point average (GPA) of 3.0 (on a 4.0 scale) in upper-division course work in the baccalaureate nursing program;
4. Current licensure as a registered nurse in Florida;
5. One year of employment as a baccalaureate registered nurse prior to clinical courses is preferred;
6. Three letters recommending the applicant for graduate study;
7. Evidence of health assessment skills through successful completion of either formal graduate course work or challenging exams;
8. Successful completion of a graduate-level course in inferential statistics prior to graduate research course;
9. Written statement of professional educational goals; and
10. Evidence of current malpractice insurance.

Statement of Professional Conduct

While enrolled in the School of Nursing graduate program, the student is expected to demonstrate conduct and behavior which conforms with the Nurse Practice Act of the State of Florida, the Florida State University Student Conduct Code, Workplace Violence Guidelines, the Academic Honor Code and all other applicable rules and policies of the University. The School of Nursing reserves the right to refuse or discontinue the enrollment of any student whose conduct or behavior is so negative, disruptive, or destructive as to compromise the work of fellow students, the effectiveness of the faculty, and/or the ability to work positively in a collaborative environment consistent with the aforementioned policies and guidelines.

The Florida Board of Nursing, as well as other state and private agencies used for clinical practice, requires the disclosure of conviction records for misdemeanors and/or felonies; therefore, this information will be required at the time of application. A level II criminal background check (includes FDLE and FBI) is required and must be on file at the School of Nursing before admission. Applicants will be provided with fingerprint cards and waiver forms at the time they apply to the School of Nursing. The cost of the background check is approximately $50.00 and must be paid by the student.

Academic Performance/
Academic Honor Code

School of Nursing graduate students are expected to make satisfactory academic progress consistent with the University’s minimum retention standards for graduate studies. Student and faculty responsibilities for maintaining academic honesty and integrity are outlined in The Florida State University Academic Honor Code and Student Conduct Code. The School of Nursing graduate program reserves the right to refuse or discontinue the enrollment of any student who fails to maintain the academic integrity of the program as described in these codes.

Academic Requirements

No clinical course for which a student receives a grade of “B-” (2.75 quality points) or below may count toward any graduate degree in the School of Nursing.

Students in the graduate program are required to maintain a 3.0 grade point average in all nursing course work each semester. Failure to do so will result in the student’s placement on academic probation. During the semester in which the student is on academic probation she/he is expected to improve the nursing GPA to a 3.0 or greater. The inability to meet this expectation will require that the student be dismissed from the program.
Reinstatement

In order to be reinstated into the School of Nursing graduate program after having been dismissed for academic reasons the student is required to do the following:

1. Submit a written request for consideration of reinstatement to the graduate program director;

2. As part of the reinstatement process the student will be expected to meet with the School of Nursing graduate admissions committee to provide justification for a reinstatement decision; and

3. Upon reinstatement the student will be expected to successfully complete a prescribed plan of study in her/his first semester while achieving a semester GPA of 3.0 or greater.
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.

Many of the great scholars in the history of the University are associated with the social sciences. This tradition of faculty excellence continues. Today the social sciences provide the University with faculty members who serve as the Mildred and Claude Pepper Eminent Scholar Chair in Social Gerontology, Pepper Professor in Sociology, Daisy Parker Flory Professor, Raymond Bellamy Professor in Social Science, Charles Grigg Professor in Sociology, Charles Nam Professor in the Sociology of Population, 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, DeVoe Moore Professors 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, Abba Lerner Professor in Economics, James D. Gimpinski Professor in Economics, LeRoy Collins Eminent Scholar Chair in Civic Education, LeRoy Collins Professor in Political Science, Francis Eppes Professor in Political Science, Marian Irish Professor in Political Science, William G. and Budd Bell Professor of Urban and Regional Planning, University Distinguished Research Professor, and numerous university teaching and advising award winners. Its faculty also includes numerous University teaching and advising award winners and presidents of such national bodies as The American Sociological Association, The American Society for Public Administration, and The Association of Collegiate Schools of Planning. Several have won prizes in their fields both for research and service.

The College of Social Sciences focuses upon the complex knowledge landscapes 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 Florida’s state capital.

The college consists of the Reubin O’D. Askew School of Public Administration and Policy; the departments of Economics, Geography, Political Science, Sociology, and Urban and Regional Planning; 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 Leroy Collins Institute on Public Policy; the Pepper Center; The Florida Public Affairs Center; and interdisciplinary programs in Aging Studies, Asian Studies, African-American Studies, Environmental Studies, Social Sciences, International Affairs, Law and Society, Russian and East-European Studies, and Health Policy Research.

The college offers programs leading to the master’s degree in 13 fields, the doctor of philosophy degree in six fields, and six graduate certificates.

Master’s Programs

Aging studies
Asian studies
Demography
Economics
Geography
Health policy research
International affairs
Political science
Public administration (master of public administration)
Russian and East European studies
Social science (interdisciplinary)
Sociology
Urban and regional planning (master of science in planning)

Doctoral Programs

Economics
Geography
Political science
Public administration and policy
Sociology
Urban and regional planning

Dual-degree programs

Dual-degree programs, requiring fewer total hours than the two degrees would separately, are offered as follows:

Master of public administration (MPA) and master of science in planning (MSP)
Master of science (MS) in economics and juris doctor (JD) in law
Master of arts/master of science (MA/MS) in international affairs and juris doctor (JD) in law
Master of public administration (MPA) and juris doctor (JD) in law
Master of science in planning (MSP) and juris doctor (JD) in law
Master of public administration (MPA) and master of science in criminology (MSC)
Master of public administration (MPA) and master of social work (MSW)
Master of public administration (MPA) and master of science in health policy research (MS)
Master of arts/master of science (MA/MS) in international affairs and master of science in planning (MSP)

Graduate Certificates

Graduate certificates are offered in the following disciplines:

Aging
Emergency management
Health services administration and policy
Human resource management
Public administration and policy

Public financial management
Urban Design

The graduate programs in the college produce competent and up-to-date professionals for employment in the public and private sectors, as well as non-profit organizations. The college’s doctoral programs prepare students for entry-level faculty positions in colleges and universities. Doctoral students in most departments of the college have opportunities for employment as teaching assistants during their programs of study.

The college offers two health-focused interdisciplinary master’s degrees: one is the Master of Public Health (MPH); the other is the Master in Health Policy Research (MIPR).

MPH degree graduates will be trained principally as health administrators and health policy analysts. They will have a rich background in epidemiology, health economics, health behavior, health administration, health policy and policy analysis, and statistical and qualitative analytic skills. Careers are likely to include government agency or legislative staff positions, policy and consulting firms, think tanks, advocacy organizations and lobbying firms, international organizations focused on health and population issues, academic or media positions.

MIPR degree graduates are trained primarily as health policy analysts. They will be well trained to use quantitative and qualitative methods and electronic information systems to research, organize, design, and evaluate programs and policies. They are likely to seek careers in government, policy research and consulting firms, the media, and other organizations and groups that primarily produce, process, and use health policy information. For additional information see the “Health Policy and Public Health Programs” chapter in this Graduate Bulletin.

Requirements

Master’s Degree

The college’s minimum requirements for master’s degrees are the same as the University’s (see the “Graduate Degree Requirements” chapter of this Graduate Bulletin). However, the requirements for the master of public administration, the master of science in planning and the master of science in political science degrees exceed the University minimum. Some programs require a master’s thesis of all candidates, others do not. Entry to dual-degree programs normally requires formal admission to both programs before registration for either. Refer to the individual program or department entries in this Graduate Bulletin for details.

Doctoral Programs

In conformity with University regulations, it is the normal expectation of the College of Social Sciences that the doctoral dissertation will require at least two semesters of full-time effort to prepare. Graduate students registering for dissertation hours only are normally expected to register for twelve (12) semester hours of dissertation credit for at least two semesters. Graduate students holding

Master’s Programs

Aging studies
Asian studies
Demography
Economics
Geography
Health policy research
International affairs
Political science
Public administration (master of public administration)
Russian and East European studies
Social science (interdisciplinary)
Sociology
Urban and regional planning (master of science in planning)

Doctoral Programs

Economics
Geography
Political science
Public administration and policy
Sociology
Urban and regional planning

Dual-degree programs

Dual-degree programs, requiring fewer total hours than the two degrees would separately, are offered as follows:

Master of public administration (MPA) and master of science in planning (MSP)
Master of science (MS) in economics and juris doctor (JD) in law
Master of arts/master of science (MA/MS) in international affairs and juris doctor (JD) in law
Master of public administration (MPA) and juris doctor (JD) in law
Master of science in planning (MSP) and juris doctor (JD) in law
Master of public administration (MPA) and master of science in criminology (MSC)
Master of public administration (MPA) and master of social work (MSW)
Master of public administration (MPA) and master of science in health policy research (MS)
Master of arts/master of science (MA/MS) in international affairs and master of science in planning (MSP)

Graduate Certificates

Graduate certificates are offered in the following disciplines:

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Emergency management
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assistantships and registering for dissertation hours only normally are encouraged to register for nine (9) semester hours of dissertation credit for at least three semesters. A minimum of twenty-four (24) semester hours of dissertation credit is required by the time of the dissertation defense, including dissertation hours taken in the semester of the defense. All doctoral students must meet the University’s residence requirements. After the award of the master’s degree or completion of thirty (30) semester hours of graduate credit, a doctoral student must receive from The Florida State University a minimum of twenty-four (24) semester hours of graduate credit within a 12-calendar-month period. For further detail on requirements for doctoral programs, refer to the individual program or department entries in this Graduate Bulletin.

Certificate Programs
There are no college-wide requirements for graduate certificates. Each certificate has its own regulations. For details, see the relevant entry in this Graduate Bulletin: Pepper Institute on Aging and Public Policy, Institute for Health and Human Services Research, Economic Policy and Government, and Reubin O’D. Askew School of Public Administration and Policy, and Urban and Regional Planning.

Assistantships and Fellowships
Most of the college’s departments have large undergraduate teaching programs, and the departments, institutes, centers, and programs engage in substantial outside-funded research and contract work. Accordingly, many graduate students are appointed as teaching or research assistants. Appointments to assistantships are competitive; therefore, applicants should inquire of their department or program as early as possible in the calendar year for fall appointments. Students on assistantships normally are encouraged to register for twelve (12) semester hours of credit per semester. Assistantship appointments normally carry waivers of matriculation fees and, if required, out-of-state tuition waivers, legislative appropriations permitting. Assistantships normally carry an obligation of twenty (20) hours of work per week, but some appointments with lower work hours are sometimes available. Assistantship stipends, which are taxable, are set by the departments or programs and vary from year to year and program to program, but generally exceed University minima and are competitive with stipends at comparable institutions. Graduate students in the college are eligible for University fellowships and college teaching fellowships. University fellowships carry stipends plus waivers of matriculation and out-of-state tuition. No duties are required of fellows. College teaching fellowships may involve up to 10 hours of duties per week, but include waivers of matriculation and out-of-state tuition. The stipends for college teaching fellowships are made to superior candidates on a competitive basis. Applications are submitted through programs of study. The programs should be contacted for information on application procedures. Contact programs of study by December of the year prior to the academic year for which the fellowship is desired. In addition, there are a variety of fellowships and assistantships to support minority graduate students. Information and applications should be sought from intended departments or programs of study as early as possible.

In addition to having access to the University’s mainframe computing facilities, the college maintains a geographic information systems laboratory, a software library, and a large data archive relevant to the social sciences. The college houses a survey research laboratory with design, survey, and analytic capability including telephone survey. Most departments also have PCs and software available for use by their graduate students. The Center for Demography and Population Health has a specialist library.

Graduate students on assistantships are normally provided with office space to carry out their duties, including meetings with students if they are teaching. The college participates in dual-degree programs with the College of Law, in which students can simultaneously pursue the JD degree and either the MPA, the MSP, the MS in economics, or the MA or MS in international affairs. The Reubin O’D. Askew School of Public Administration and Policy has dual-degree programs with the Department of Urban and Regional Planning, the School of Criminology and Criminal Justice, the School of Social Work, and the health policy research degree, in which the student simultaneously pursues the degrees of MPA and MSP, MPA and MSC, MPA and MSW, or MPA and MS. The Department of Urban and Regional Planning has dual-degree programs with the College of Law, the Askew School of Public Administration and Policy, and the master’s program in International Affairs, in which the student can simultaneously pursue the MSP and JD degree, MSP and MPA, or MSP and MA or MS in international affairs. These programs enable the student to complete both degrees in less time than if they were attempted sequentially. To enter a dual-degree program, the student must be formally admitted to both programs.

Much of the college’s work emphasizes international activities and linkages. Through the master’s internationalist program students may earn a master’s degree in urban and regional planning and secure placement in the Peace Corps to provide urban planning assistance in developing nations. The college, through the Florida-Costa Rica Institute, has a linkage arrangement with the University of Costa Rica and the Republic of Panama branch. Faculty frequently teach at the Florida State University London Study Center and the Florence Study Center. Although these are primarily undergraduate instruction programs, it is possible for graduate students to be attached to them. Over 10 percent of the college’s graduate students are international, from a wide range of countries, and most years there are visiting international faculty members.
Master of Social Work
Based on values of service, social and economic justice, dignity and worth of the person, importance of human relationships, and integrity and competence in practice, the purposes of social work are to: 1) enhance human well-being and alleviate poverty, oppression, and other forms of social injustice; 2) enhance the social functioning and interactions of individuals, families, groups, organizations, and communities by involving them in accomplishing goals, developing and use evidence-based research, knowledge, and skills that advance social work practice; and 3) develop and apply practice in the context of diverse cultures.

The purpose of social work education is to prepare competent and effective social work professionals, to develop social work knowledge, and to provide leadership in the development of service delivery systems. Social work education is grounded in the profession's history, purposes, and philosophy and is based on a body of knowledge, values, and skills. Social work education enables students to integrate the knowledge, values, and skills of the social work profession for competent, evidence-based practice.

The requirements for the traditional master of social work degree are normally completed in two years (four semesters) beginning in August of one year and ending in May of the last year. Students are expected to enroll as full-time students each of the four semesters. The degree is awarded upon completion of a minimum of sixty-one (61) semester hours, including thirty-nine (39) semester hours of on-campus instruction and twenty-two (22) semester hours of field instruction. Some specializations may require summer attendance between the first and second years.

Advanced Standing
The college offers an advanced standing program for graduates of an undergraduate social work program accredited by the Council on Social Work Education who have a grade point average (GPA) of 3.0, and who meet certain other course, field practice, and related work/volunteer experience requirements. The advanced standing program is normally completed in three semesters. This program consists of a minimum of thirty-nine (39) semester hours including twelve (12) semester hours of field instruction. The student chooses to specialize in either social policy and administration or clinical social work. All students must meet the school's statistics requirement. See the MSW Bulletin available from the school for details.

Part-Time/Off-Campus/On-Line Programs
Time-extended programs leading to the master of social work degree are offered at intervals on the main campus and off-campus sites in Gainesville, Jacksonville, Panama City, and Pensacola as well as on-line. Requirements are the same as for the full-time program.

Admission
Admission to the traditional master’s program in social work is limited to August of each year, except for transfer and advanced standing students (see below). Application for admission to the program must be completed by July 1st of the year in which admission is planned and must be made both through the graduate student affairs office in the College of Social Work and through graduate admissions at The Florida State University. Applications for advanced standing students available work or social policy and administration.

concentrate their studies in either clinical social work and policy and administration.

Degree Program
Master of Social Work

Master’s, and doctoral levels that prepare social workers to enhance human well-being and help meet the basic needs of diverse populations with particular attention to the empowerment of people who are vulnerable, oppressed, and/or living in poverty. The College of Social Work also has as its purpose to contribute to the knowledge base that supports evidence-based social work practice and social policy development and to provide community service at the local, state, and national levels.

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are to be completed by November 1st for spring admission and by March 1st for Summer.

Minimum academic standards for admission to the MSW program requires: 1) a bachelor’s degree (with a liberal arts foundation) from an accredited college or university; and 2) a GPA of at least 3.0 in upper-division courses on the undergraduate level OR a minimum score of 1000 on the combined verbal and quantitative portions of the aptitude test of the Graduate Record Examinations (GRE).

University requirements for admissions must also be met. A limited number of exceptions to these requirements are available. For further information and application materials, contact the coordinator of recruitment and admission at: http://ssw.fsu.edu.

Transfer Students

A limited number of students who have completed a full year of graduate study in an accredited College of Social Work may be admitted to the social work year of graduate study which begins with the Fall semester of one year and is completed in the Spring of the following year. Applications should be completed before July 1st of the year in which admission is requested. Work completed more than three years before the date of admission cannot be credited toward the master of social work degree.

Grade Requirements

The College of Social Work expects graduate students to maintain a “B” average in each semester of classroom work and a grade of “S” in each field instruction course. Continuation in the program with less than a 3.0 GPA will require the approval of the Dean of the College of Social Work. Students may not be in a field placement with an “I” or “NG” on their graduate record.

Doctor of Philosophy in Social Work Degree Program

PhD Program Director: Wendy P. Crook

In conjunction with the college’s mission, the PhD program is committed to the advancement of the social work profession through contributions to the social policy and direct practice knowledge base and to social work education. The program also has a service mission, whereby students and faculty are dedicated to participation in the local, state, and larger communities. Ultimately, the goals of the PhD program are to improve: 1) the quality and effectiveness of both direct and indirect social work practice; 2) the quality of social work education; and 3) the social welfare of society in general.

Doctoral students must demonstrate competency in four areas of study: 1) direct practice; 2) social policy; 3) research methodology and theory/knowledge development; and 4) a specialization area of the student’s choice. The college offers two options at the PhD level—direct practice and social policy.

Admission

Admission to the doctoral program as a full- or part-time student requires graduation from the master’s degree program of a College of Social Work accredited by the Council on Social Work Education, plus a score on the GRE of at least 1000 with neither quantitative nor qualitative score falling below 400, and a GPA of at least 3.0 on a four-point scale for the last two years of undergraduate work.

Each candidate for admission must also have completed at least two years of successful (paid) professional experience after having earned the first professional degree in social work, whether that first professional degree is a baccalaureate degree in social work or a master of social work. (In special circumstances and in limited numbers, exceptions may be made to any of these requirements in conformance with University and college policy for such exceptions.) This requirement will ensure that applicants come with an experiential base of practice upon which they can draw during the period of doctoral study. All applicants will be considered on an individual basis. An interview may be requested. Students may enter the program in either semester of the academic year.

For further information, interested persons are advised to request materials and application forms from: Director of the Social Work Doctoral Program, College of Social Work, The Florida State University, Tallahassee, FL 32306-2750.

Doctoral Program Requirements

An individualized course of study that meets the needs and preferences of the student is prepared by the student in conjunction with faculty members. This shall include core courses required of all students. There is no foreign language requirement for the degree. Supervised practice in the content area of the student’s major substantive interests is optional.

The University’s minimum residency requirements must be met. A written preliminary examination must be passed by the student prior to admission to candidacy.

Upon satisfactory completion of the required individualized course of study, including completion and successful defense of a dissertation which represents an original contribution to knowledge, the student will be awarded the degree of doctor of philosophy in social work.

Program Opportunities

The College of Social Work offers other opportunities that afford the 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 under-graduate 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. For further information, visit http://ssw.fsu.edu/childwelfare.

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 advanced 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. It provides an educational credential for students with an interest in aging, which indicates their completion of a multi-disciplinary course of study in the field. For further information, visit http://www.pepperinstitute.org/certificatemain.html.

School Social Worker Certification

Students who graduate with an MSW meet the requirements for certification as a school social worker in the state of Florida. For more information, visit http://sss.usf.edu.

The Arts and Community Practice Certificate

The program is designed for both undergraduate and graduate students who wish to develop a focused concentration on the application of their social work skills to community development. Inclusive of groups and families, this program addresses all stages of human development. Particular attention will be given to prevention, enrichment, and response to social concerns.

Joint MSW/JD Program

The 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 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 Masters of Social Work (MSW) and Masters 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 nonprofit human service organizations by gaining knowledge in both social work and public administration. Students must be admitted to both graduate programs independently.

Trinity Institute for the Addictions

The endowed Trinity Institute for the Addictions will establish a state-of-the-art program for the study of addictions. The multifaceted program is focused on every kind of addiction...
and makes use of all academic disciplines that illuminate the causes, prevention, and treatment of addictions. The use of technology to make information available globally is an additional component of the program, as is the establishment of an Eminent Chair in Addictions.

**Field Instruction**

Field instruction 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 school cover the broad spectrum of social work practice. Currently, the school is affiliated with more than 400 agencies across the state of Florida, the southeastern United States and internationally.

**Continuing Education**

The program of continuing education at the College of Social Work is committed to excellence in professional development for graduate practitioners. The goal of the continuing education program is to provide a continuum of instruction to professionals as an integral part of curriculum and practice.

Outstanding workshops and seminars are presented at the request of professionals, private and public agencies, and members of the College of Social Work.

The continuing education program is an authorized provider through the Florida Department of Professional Regulation to provide continuing education units (CEUs). CEUs are awarded to all participants who successfully complete any continuing education presentation.

**Student Organizations**

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 welcome. The association is a good vehicle for socialization to the profession. It can be used as a channel for handling complaints and is an excellent way for students to get to know one another.

The Phi Alpha Honor Society serves as a means of recognizing outstanding academic students. The society involves itself in fundraising and community service.

**College of Social Work Scholarships**

The following scholarships are offered to Social Work majors. If you would like information on how you can help, please contact the development officer of the College of Social Work at (850) 644-9749 or e-mail mtuveson@mail: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 & 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 financial need. Estimated award amount: $1500-2500.

**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.** For PhD students of dissertation status. Award is presented at the Spring Convocation for “Best Dissertation Prospectus.” No application necessary. 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 & 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: $500-1000.

**Joyce Harper Laidlaw Scholarship in Child Welfare.** For graduate students who demonstrate dedication & commitment to work in the area of child welfare, and show evidence of good character & citizenship, volunteer work, and financial need. Estimated award amount: $500.

**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.
Dean: Sally McRorie; Associate Dean: T. Lynn Hogan; Director: C. Cameron Jackson

The School of Theatre is one of the largest and most comprehensive theatre-training programs in the United States. The first program in Florida to hold such distinction, the school is accredited by the National Association of Schools of Theatre and is a founding member of the University/Resident Theatre Association. At The Florida State University, actors, directors, designers, technicians, managers, teachers, and scholars learn by working with gifted faculty in a professionally oriented school environment. In realizing its educational mission, the school contributes to the cultural life of the University, the Tallahassee and Sarasota communities, and the state by creating an array of productions, reflecting the full range of dramatic literature. From Shakespeare to Chekhov to Rogers and Hammerstein to world premieres, performances give audiences and participating students the opportunity to share the unique experience of the living theatrical event. Classroom experiences are enriched by the challenge of faculty, students, and visiting artists working side-by-side to create fine theatre.

The School of Theatre’s graduate FSU/Asolo Conservatory for Actor Training is located in Sarasota at The Florida State University Center for the Performing Arts. This exemplary master of fine arts program in acting is operated in conjunction with the Asolo Theatre Company, a LORT professional theatre. The conservatory and the Asolo Theatre Company are both housed in a beautiful state-of-the-art facility, which features a 500-seat proscenium theatre, a 160-seat performance space. The Free Works Theatre is an accompanying rehearsal hall next door. Additional spaces include the Lab Theatre, in the Williams Building in Tallahassee; the Lab Theatre in Tallahassee; the Fine Arts Annex Theatre in the Fine Arts Annex in Tallahassee; and Mertz and Cook Theatres in The Florida State University Center for the Performing Arts and FSU/Asolo Conservatory Theatre in Sarasota, Florida.

The Mainstage Theatre in the Fine Arts Building is a proscenium theatre with continental seating for 500 patrons. Stage equipment includes a turntable, a lighting rig, a single channel sound 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 183 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 by the School of Theatre.

The Lab is located at 502 South Copeland Street. The Lab is flexible theatre space used in a variety of configurations. It includes a hydraulic orchestra pit, a computer 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 classroom, rehearsal space, and performance space. The Free Works Theatre is operated by the Student Advisory Council as a venue for student productions.

SCHOOL OF THEATRE

Retention Standards

The School of Theatre reserves the right to refuse admission or terminate enrollment at any time if a student fails to maintain the standards of the program.

Facilities

There are six performance spaces available for the production of plays. All include rehearsal space. They are: the Mainstage Theatre in the Fine Arts Building in Tallahassee; Augusta Conradi Studio Theatre, in the Williams Building in Tallahassee; The Lab Theatre in Tallahassee; the Fine Arts Annex Theatre in the Fine Arts Annex in Tallahassee; and Mertz and Cook Theatres in The Florida State University Center for the Performing Arts and FSU/Asolo Conservatory Theatre in Sarasota, Florida.

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Master of Fine Arts

The master of fine arts (MFA) degree is a course of study leading to a terminal artistic degree in theatre arts. The objective of the program is to provide students with competencies appropriate to the needs of professional theatres in America; only secondarily does this program prepare teachers. The goals of the program are to 1) ensure opportunities for mastering the application of theory and skills by practicing a professional specialization; 2) encourage on-the-job training in actual working conditions; and 3) provide a general background in theatre history and practice.

Admission

Students admitted to the MFA program must meet the University admission policies for graduate studies, must have a baccalaureate degree in theatre or its equivalent from an accredited institution, and must offer evidence of a high degree of creative ability in their area of specialization.

Residency

A student must be enrolled full-time in graduate study for a minimum of four semesters. A minimum of sixty (60) semester hours beyond the baccalaureate degree is required for completion of the MFA degree. However, there are no maximum limits to the time required. It is considered normal to take three school years to complete the program because of the time necessary for information, insights, and crafts to become integrated sufficiently into a student’s practice to demonstrate mastery and maturity in artistry and skill.
Practicum Program

The unique feature of the course of study towards the MFA at The Florida State University is the practicum program. Practicum acknowledges the legitimacy of unique artistic production-oriented work not affiliated with classroom coursework. The practicum program allows students and their advisors to plan and execute an individualized track to meet students’ particular needs and desires. The specific content of each practicum is determined in advance and entered on the student’s progress check list. This contractual agreement is evaluated by the MFA faculty each semester.

Review

A faculty committee meets with each student every regular semester to evaluate the student’s progress. Individual program advisors report on their students in terms of attitude, class work, production assignments, projects, artistic growth, conduct, and professional potential. Any faculty members who have worked with MFA students may submit relevant information. The results of the review are part of the student’s file.

Internship

Internships provide students with the opportunity to gain experience in their particular field by working under the supervision of recognized professionals. Resident internships must be arranged with the student’s program director. The student is responsible for providing progress reports and a full evaluation from the internship supervisor before grades can be assigned. Internships may be arranged to a maximum of thirty (30) semester hours.

Specialization in Acting

The MFA acting program is located in Sarasota at The FSU/Asolo Conservatory for Professional Actor Training in conjunction with the Asolo Theatre Company. Students are offered a conservatory approach which emphasizes the acquisition of skills appropriate to repertoire ensemble. The three-year curriculum includes daily intensive training in voice, speech, dialects, movement, and dance, as well as scene study, text analysis, and period styles. Upon graduation and at any time within the following five years, all MFAs are eligible for membership in the Actor’s Equity Association.

Specialization in Directing

The mission of the program is to provide students with training in the process and practice of directing. The program is designed to give students the skills they will need to continue their own development and growth as directors in professional theatre. The curriculum provides a careful balance of academic classes, studio work, and production experience.

Specialization in Scene Design

The mission of the scene design program is to provide students with the necessary training and experience needed to enter the professional design field. The program is designed to cultivate the skills and talents of our students and give them a strong foundation for their future growth as designers and artists in theatre, film, and television. Students graduate with a detailed knowledge of all aspects of the scenic design process. Artisan skills such as drafting, model construction, scene painting, and computer drafting and rendering are explored. Each MFA scene design student will design at least three productions while at The Florida State University. Opportunities to teach within the School of Theatre are available.

Specialization in Costume Design

The mission of the program is to provide students with training in the process and practice of costume design. The program is designed to give students skills needed to continue their own growth as costume designers in American theatre. Students graduate with an in-depth knowledge of all aspects of costume design for the stage. Design work in opera, dance, and film is also explored. Costume technology is stressed as well, including skills in millinery, fabric modification, costume crafts, and patterning. Each MFA costume design student will design from three to six productions. Design work in dance and film is also available on occasion. Opportunities to teach are also available.

Specialization in Lighting Design

The mission of the program is to train young professionals in the art and craft of lighting design. This training is uniquely designed to prepare young professionals for careers in theatrical, entertainment, architectural, and industrial lighting. A major focus of the program is to develop designers with a strong sense of professionalism and artistic integrity.

The MFA Program is designed to give students skills that will enhance their growth as artists and practitioners through a combination of studio classes, one-on-one mentoring, and practicum assignments. Traditional design practices are combined with new technology and innovations to give the student the best preparation possible for work in the professional world. Emphasis is placed on visual and verbal presentation techniques, as well as communication, analytical, and collaborative skills. Course work in theatre history and literature is encouraged to help students develop enlightened design aesthetic. All students have the opportunity to practice their craft by designing numerous productions and participating in all phases of the production process while attending The Florida State University.

Specialization in Technical Production

The technical production’s mission is to train students in the process and practice of technical design, technical management, and production management. The program is designed to provide new and strengthen existing skills and aid the student’s growth as a technical director or production manager in professional or educational theatre. Organization and management and technical skills such as rigging, welding, hydraulics, pneumatics, advanced woodworking, and motion control will be covered in detail. Structural analysis and design for the stage is emphasized. Each MFA technical production candidate will have technical direction or assistant technical direction responsibilities for at least three productions. Teaching opportunities also are available.

Specialization in Theatre Management

The mission of the theatre management program is to help enhance the professional understanding of management principles in America by developing future theatre managers. Students are provided with practical training and hands-on experience in the process and practice of managing theatre and arts organizations. Our goal is to give students an in-depth knowledge of all aspects of producing theatre, as well as an understanding of management principles, personnel, finance, marketing and fundraising management and working knowledge of computer applications in art management.

Doctor of Philosophy

The PhD is a generalist program in theatre studies with opportunities for specialization. A rigorous course of study, the PhD program operates within an active performance-oriented school, nationally recognized as one of the leading theatre-training schools.

There are three types of requirements for the doctoral degree:

- Formal coursework
- Comprehensive examinations
- Dissertation

The doctoral degree in theatre studies prepares students to become:

- Scholars in theatre history, criticism, literature, and theory
- Dramaturgs in a professional or academic environment
- Publishable critical writers
- Experienced teachers on a university level

Classes at the doctoral level are small and intensive, enabling doctoral student to have close interaction with the faculty. Doctoral students also contribute extensively to the intellectual environment of the program and the School of Theatre as teaching or research assistants.

Requirements

The doctoral program normally requires at least four years of full-time study beyond the master’s degree, two years of course work, a year for comprehensive exams and dissertation prospectus writing, and at least a year for the dissertation. At least one year must be spent in full-time residence (defined as twenty-four [24] semester hours within any 12-month period once a student has reached thirty [30] graduate semester hours or a master's degree.)

The doctoral curriculum requires seventy (70) semester hours beyond the masters degree (forty-six [46] semester hours of course work and at least twenty-four [24] dissertation hours.) For students on assistantship, nine (9) hours per semester constitutes a full-time load. Students who are not funded and those on fellowship must register for twelve (12) hours per semester.

Admissions

Admission to the doctoral program is based on Graduate Record Examinations (GRE) scores, academic record, professional background, statement of purpose, letters of recommendation, and a critical-scholarly writing sample. The highest-rated applicants are often interviewed in person or by telephone. The faculty then determines whether an applicant can be admitted, placed on a waiting list, or declined.
SCHOOL OF VISUAL ARTS AND DANCE

Dean: Sally McRorie

The School of Visual Arts and Dance is relatively young in the history of the University. Founded in 1973, the school has existed largely as presently constituted since 1978 when the Department of Dance joined the other components of the school: the Department of Art, the Department of Art History, the Department of Interior Design, The Florida State University Museum of Fine Arts. The academic entities offer an extensive program of instruction in all areas of the visual arts and dance, which are fully accredited by the National Association of Schools of Art and Design (NASAD) and the National Association of Schools of Dance (NASD). Appropriate programs are also accredited by the Foundation for Interior Design Education Research (FIDER) and the National College Association for Teacher Education (NCATE). In fact, every level of undergraduate and graduate degree that a school of fine arts can offer in these areas is represented within the school, including the established terminal degree in each discipline. Accordingly, the school is unique in the state of Florida.

Enhancement of the fine and performing arts is one of the University’s specific goals as presented in its mission statement. The comprehensive nature and consistent quality of the school may be credited in large part to the recognition and support of the arts 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. Students of the school 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.

For its part, the school promotes the visual arts and dance within this community. It functions to enrich the lives of students, to provide them with the means of self-expression in an increasingly complex and impersonal technical society, and to make them visually literate in a world that requires the visualization of ideas and concepts. In short, the study and practice of art are viewed as a necessary link in the educational system, both as a learning process and as a means of personal fulfillment. Measures are applied to keep the spirit of open inquiry vital and productive.

Regardless of the department of a student’s major, the School of Visual Arts and Dance provides an unusual opportunity for working with a distinguished graduate faculty of recognized artists and scholars. The quality of the faculty is clear from an impressive list of national and international distinctions, awards, offices held, exhibition and performance records, and publications; but the true benefit to graduate students is the commitment to teaching and tutorial attention which characterizes the faculty.

Facilities

In addition to the lecture rooms, general classrooms, seminar rooms, and media-specific laboratories (e.g., printmaking, painting, drawing, ceramics, sculpture, photography, computer imaging, etc.), two specialized facilities merit particular mention. First, art students in the master of fine arts (MFA) program are provided individual studios in a large “warehouse” 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. Secondly, dance students train in spacious, comfortable studios and perform in their own Dance Theatre, Grand Studio, and Black Box Theatre, all fully equipped professional facilities located in the same building as their major classes. Montgomery Hall, newly renovated with over $17 million, is among the best university dance facilities in the nation. It features a new technology and music wing, conditioning lab, and many studios and classrooms in addition to the three large dance performance venues.

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 school. Large, modern, and well equipped, it houses the permanent collection and several times a year hosts faculty and student shows, including MFA graduate exhibitions. In addition, the school faculty and the museum staff pride themselves on originating shows of national prominence, documented through professional and scholarly catalogs, often complemented by the efforts of graduate students. The Florida State University Museum of Fine Arts is a community resource of regional significance in the Southeast.

The John and Mable Ringling Museum of Art

Beginning with the new millenium, The 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 super internationally renowned art collection, Circus Museum, and Ringling mansion, offers multiple opportunities for students in the arts, museum studies, and the humanities. Programs are in the process of being defined which will derive from and enhance graduate education in the School of Visual Arts and Dance, as well as in many other areas within The Florida State University.

Certificate Program in Museum Studies

The School of Visual Arts and Dance, along with the College of Arts and Sciences, the College of Education, the College of Human Sciences, and the School of Information Studies, offers an interdisciplinary program in museum studies. The program leads to a certificate in museum studies for graduate or postgraduate students who wish to supplement their academic knowledge with specific expertise in the museum field. A strong emphasis is placed on preparing students for the profession with career guidance and planning, informal discussions with museum professionals, mentorships, and seminars on professional training. The program is available to graduate students in art, art education, art history, dance, interior design, anthropology, classics, history, textiles and consumer sciences, sport management and information studies, and it will continue to attract disciplines as it expands.

Museum studies requirements consist of four core courses, a museum internship and special projects and electives as determined by individual departments.

Study Abroad

Of the many international centers operated by The Florida State University, those located in Florence, Italy, Valencia, Spain, and London, England, which are open to all qualified students in the State of Florida, Division of Colleges and Universities system, provide a special opportunity for a truly rewarding educational and cultural experience. Representing a collegial body of students of art, the School of Visual Arts and Dance has a particular affinity for the Florence program, one which 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 school faculty has taught in Florence, and the school has significant representation among the graduate students studying there. Students of art, dance, design, and art history flourish in the rich, humanistic environment of this magnificent city and cultural center. This they can do usually without disrupting their sequence of courses and without loss of residency, since the Florence campus is a true extension of the Tallahassee campus. A similar opportunity is available on the London campus, which has had increasing art history participation and offers enhanced opportunities for students in the museum studies area. Summer course work is also available in London and Florence. The Valencia programs are particularly strong in studio offerings, and build upon the great museums and galleries in the Valencia area of Spain.

Athanor

For the past 20 years the school has published Athanor, a well-respected art history journal which presents scholarly articles by graduate students from universities in the Southeast and across the nation. The journal results in part from an art history graduate student symposium conducted on campus each spring. It is attended by students whose papers have been accepted for presentation and by distinguished art historians invited to address the symposium and respond to the papers. This event proves to be of particular value to graduate students in art and art history.
Requirements of the School

By and large, the school has few requirements which go beyond those stipulated by the University. As appropriate, these are provided in the narratives describing the individual departments and programs. Two programs are categorized as “limited” access in the sense that they are proficiency based: the MFA in art (studio) and the MFA in dance. Entrance is gained through portfolio review or audition.
Florida’s Statewide Course Numbering System

Courses in this Bulletin are identified by prefixes and numbers that were assigned by Florida’s Statewide Course Numbering System. This common numbering system is used by all public postsecondary institutions in Florida and by participating non-public institutions. The major purpose of this system is to facilitate the transfer of courses between participating institutions.

Each participating institution controls the title, credit, and content of its own courses and recommends the first digit of the course number to indicate the level at which students normally take the course. Course prefixes and the last three digits of the course numbers are assigned by members of faculty discipline committees appointed for that purpose by the Florida Department of Education in Tallahassee. Individuals nominated to serve on these committees are selected to maintain a representative balance as to type of institution and discipline field or specialization.

The course prefix and each digit in the course number have 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 details.”

Example of Course Identifier

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Level Code (first digit)</th>
<th>Century Digit (second digit)</th>
<th>Decade Digit (third digit)</th>
<th>Unit Digit (fourth digit)</th>
<th>Lab Indicator</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYG</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

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 Equivalences

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. 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 this course at a specific institution. In the SCNS taxonomy, “SYG” means “Sociology, General,” the century digit “0” represents “Entry-level General Sociology,” the decade digit “1” represents “Survey Course,” and the unit digit “0” represents “Social Problems.”

In science and other areas, a “C” or “L” after the course number is known as a lab indicator. The “C” represents a combined lecture and laboratory course that meets in the same place at the same time. The “L” represents a laboratory course or the laboratory part of a course, having the same prefix and course number without a lab indicator, which meets at a different time or place.

Transfer of any successfully completed course from one institution to another is guaranteed in cases where the course to be transferred is equivalent to one offered by the receiving institution. Equivalencies are established by the same prefix and last three digits and comparable faculty credentials at both institutions. For example, SYG 1010 is offered at a community college. The same course is offered at a state university as SYG 2010. A student who has successfully completed SYG 1010 at the community college is guaranteed to receive transfer credit for SYG 2010 at the state university upon transfer. The student cannot be required to take SYG 1010 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 on the same basis as credit awarded to native students. It is the prerogative of the receiving institution, however, to offer transfer credit for courses successfully completed which 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 subcategory 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 used to identify the course.

Authority for Acceptance of Equivalent Courses

State Board of Education Rule 6A-10.024(19), Florida Administrative Code, reads:

“When a student 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 common course designation and numbering system, the receiving institution shall award credit for courses satisfactorily completed at the previous participating institutions when the courses are judged by the appropriate common course designation and numbering system faculty task forces 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 award of credit may be limited to courses that are entered in the course numbering system. Credits so awarded 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:
1. Courses in the _900 –_999 series (e.g., ART 2905);
2. Internships, practica, clinical experiences, and study abroad courses;
3. Performance or studio courses in art, dance, theatre, and music;
4. Skills courses in criminal justice;
5. Graduate courses; and
6. Courses not offered by the receiving institution.

College preparatory and vocational preparatory courses may not be used to meet degree requirements and are not transferable.

Questions about the Statewide Course Numbering System and appeals regarding course credit transfer decisions should be directed to the Office of the Dean of The Faculties at The Florida State University, (850) 644-6876, or the Florida Department of Education, Office of Articulation, 1401 Turlington Building, Tallahassee, FL 32399-0400. Special reports and technical information may be requested by calling telephone number (850) 245-0427, or SunCom (850) 295-0427.
### COURSE PREFIXES, DEFINITIONS, AND LOCATIONS

**How to Find a Course:**

The following 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, 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**

**Note:** courses that may be repeated for credit are designated by an “r” immediately following the course number.

<table>
<thead>
<tr>
<th>Prefix Definition</th>
<th>Program(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACG Accounting: General</td>
<td>Accounting</td>
</tr>
<tr>
<td>ADE Adult Education</td>
<td>Educational Leadership and Policy Studies</td>
</tr>
<tr>
<td>ADV Advertising</td>
<td>Communication</td>
</tr>
<tr>
<td>AFA African-American Studies</td>
<td>African-American Studies</td>
</tr>
<tr>
<td>AFH African History</td>
<td>History</td>
</tr>
<tr>
<td>AFR Aerospace Studies</td>
<td>Aerospace Studies</td>
</tr>
<tr>
<td>AMH American History</td>
<td>History</td>
</tr>
<tr>
<td>AML American Literature</td>
<td>English</td>
</tr>
<tr>
<td>AMS American Studies</td>
<td>American and Florida Studies</td>
</tr>
<tr>
<td>ANG Anthropology: Graduate</td>
<td>Anthropology</td>
</tr>
<tr>
<td>ANT Anthropology</td>
<td>Anthropology</td>
</tr>
<tr>
<td>ARA Arabic Language</td>
<td>Modern Languages and Linguistics</td>
</tr>
<tr>
<td>ARE Art Education</td>
<td>Art Education</td>
</tr>
<tr>
<td>ARH Art History</td>
<td>Art History</td>
</tr>
<tr>
<td>ART Art</td>
<td>Art</td>
</tr>
<tr>
<td>ASH Asian History</td>
<td>Classical Languages, Literature, and Civilization</td>
</tr>
<tr>
<td>ASN Asian Studies</td>
<td>Asian Studies</td>
</tr>
<tr>
<td>AST Astronomy</td>
<td>Physics</td>
</tr>
<tr>
<td>BCC Basic Clinical Clerkship</td>
<td>Medicine</td>
</tr>
<tr>
<td>BCH Biochemistry (Biophysics)</td>
<td>Biological Science, Chemistry and Biochemistry</td>
</tr>
<tr>
<td>BME Biomedical Engineering</td>
<td>Chemical Engineering</td>
</tr>
<tr>
<td>BMS Basic Medical Sciences</td>
<td>Medicine</td>
</tr>
<tr>
<td>BOT Botany</td>
<td>Biological Science</td>
</tr>
<tr>
<td>BSC Biological Sciences</td>
<td>Biological Science, Nursing</td>
</tr>
<tr>
<td>BUL Business Law</td>
<td>Risk Management/Insurance and Real Estate</td>
</tr>
<tr>
<td>CAP Computer Application Development</td>
<td>Computer Science</td>
</tr>
<tr>
<td>CBH Comparative Psychology and Animal Behavior</td>
<td>Psychology</td>
</tr>
<tr>
<td>CCE Civil Construction Engineering</td>
<td>Civil Engineering</td>
</tr>
<tr>
<td>CCJ Criminology and Criminal Justice</td>
<td>Criminology and Criminal Justice</td>
</tr>
<tr>
<td>CDA Computer Design/ Architecture</td>
<td>Computer Science</td>
</tr>
<tr>
<td>CEG Civil Geotechnical Engineering</td>
<td>Civil and Environmental Engineering</td>
</tr>
<tr>
<td>CEN Computer Software Engineering</td>
<td>Computer Science</td>
</tr>
<tr>
<td>CES Civil Engineering Structures</td>
<td>Civil and Environmental Engineering</td>
</tr>
<tr>
<td>CGN Civil Engineering</td>
<td>Civil and Environmental Engineering</td>
</tr>
<tr>
<td>CGS Computer General Studies</td>
<td>Computer Science</td>
</tr>
<tr>
<td>CHD Child Development</td>
<td>Elementary and Early Childhood Education</td>
</tr>
<tr>
<td>CHI Chinese</td>
<td>Management Information Systems</td>
</tr>
<tr>
<td>CHM Chemistry</td>
<td>Criminology and Criminal Justice</td>
</tr>
<tr>
<td>CHS Chemistry-Specialized</td>
<td>Criminology and Criminal Justice</td>
</tr>
<tr>
<td>CHT Chinese Literature in Translation</td>
<td>Classical Languages, Literature, and Civilization</td>
</tr>
<tr>
<td>CIS Computer Science and Information Systems</td>
<td>History</td>
</tr>
<tr>
<td>CJC Corrections</td>
<td>Psychology</td>
</tr>
<tr>
<td>CJE Law Enforcement</td>
<td>Psychology</td>
</tr>
<tr>
<td>CJJ Juvenile Justice</td>
<td>Psychology</td>
</tr>
<tr>
<td>CJK Law and Process</td>
<td>Psychology</td>
</tr>
<tr>
<td>CLA Classical and Ancient Studies</td>
<td>Psychology</td>
</tr>
<tr>
<td>CLP Clinical Psychology</td>
<td>Classical Languages, Literature, and Civilization</td>
</tr>
<tr>
<td>CLT Classical Literature in Translation</td>
<td>Psychology</td>
</tr>
<tr>
<td>COA Home Economics: Consumer Affairs</td>
<td>Textiles and Consumer Sciences</td>
</tr>
<tr>
<td>COM Communication</td>
<td>Communication</td>
</tr>
<tr>
<td>COP Computer Programming</td>
<td>Computer Science</td>
</tr>
<tr>
<td>COT Computing Theory</td>
<td>Computer Science</td>
</tr>
<tr>
<td>CPO Comparative Politics</td>
<td>Political Science</td>
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<tr>
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**Purposes**

- Language for Academic Purposes
- Law and Process
- Management Information Systems
- Middle and Secondary Education
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The Department of Accounting offers two graduate degree programs: the master of accounting (MAcc) and the doctor of philosophy in business (PhD) with a concentration in accounting. Many master of accounting alumni hold important positions in major accounting firms, industry, government, and nonprofit organizations. Doctoral graduates are faculty members at some of the nations leading universities.

The accounting faculty is recognized nationally for excellence in teaching and research. Faculty members have expertise in a wide variety of areas including financial accounting and reporting, managerial accounting, governmental accounting, accounting systems, assurance services, and taxation.

The department maintains close relationships with alumni and the accounting profession. These relationships provide students the opportunity to interact with professionals and to become more familiar with the accounting environment in business. The external support of alumni and friends of the accounting program provides for many enhancements of the learning environment which result in The Florida State University maintaining one of the leading accounting programs in the country.

Students and faculty in accounting have access to state-of-the-art facilities and materials for learning and research. Up-to-date computer technology, excellent library materials, and a wide range of research databases are available. Ongoing research in the department covers a wide range of activities, including empirical analyses of financial reporting issues, the examination of behavioral issues in accounting and auditing, analytical analyses of accounting problems, and the study of current issues in accounting systems, governmental reporting, assurance services, and taxation.

Master of Accounting

The master of accounting (MAcc) program provides students with exposure to advanced theories and topics in the field of accounting. It provides an opportunity both to pursue specialized interests and to acquire a broader knowledge of the accounting discipline in general. Completion of the program prepares students for professional accounting careers and fulfills all requirements to sit for the Certified Public Accountants Examination in the state of Florida. Demand for MAcc graduates has been strong in the past and is expected to continue to be strong in the foreseeable future.

Students in the MAcc program choose a major from four offerings: assurance services, accounting information systems, corporate accounting, or taxation. Each major requires between five and eight graduate courses in accounting, as well as courses in other business areas, for a total of thirty-three (33) semester hours. Each major area includes courses specifically designed for that area. The MAcc program is structured as a full-time, day-time program; however, students may attend on a part-time basis under certain circumstances. Full-time students who have met all prerequisites complete the program in one calendar year. New students may enter the program at the beginning of any term.

A number of fellowships and teaching/research assistantships are awarded by the Department of Accounting to applicants with strong academic credentials. Applications to the MAcc program are considered for anyone with an undergraduate degree in any major. Admission decisions are made by an admissions committee after considering all relevant information. Applicants are required to submit transcripts of prior course work, an acceptable score on the Graduate Management Admissions Test (GMAT), letters of recommendation, and a personal statement. While there are no absolute minimum criteria for admission, successful applicants usually have a GMAT score of 500 or better and a grade point average (GPA) of 3.0 or better in upper-division accounting courses.

Requirements

Specific course requirements in the master of accounting program are under continuous review. For current course requirements, contact: Graduate Office, Room 318, College of Business, The Florida State University, Tallahassee, FL 32306-1110 (gradprog@cob.fsu.edu).

Master of Accounting Program for Nonbusiness Majors

The Department of Accounting also offers a MAcc program for nonbusiness undergraduate majors. Full-time students should be able to complete the program in about two years. The first part of the program consists of undergraduate foundation courses. The second part of the program consists of the MAcc coursework described above. Although these courses can be completed as a special student or a second degree-seeking student, students in this program can be admitted to the MAcc program upon meeting the 3.0 GPA and 500 GMAT score requirements. Students in the program must maintain at least a 3.0 GPA.

Required Undergraduate Foundation Courses

Financial Accounting and Reporting I
Cost Accounting I
Calculus for Business and the Nonphysical Sciences
Quantitative Methods for Business Decisions
Economics of the Price System
Financial Accounting and Reporting II
Cost Accounting II
Accounting Information Systems
Economics of the National Economy
Law for Accountancy
Auditing Theory and Application I
Federal Tax Accounting I
Concepts of Business Management
Basic Marketing Concepts
Financial Management of the Firm

Doctor of Philosophy in Business

Major in Accounting

The doctor of philosophy in business with a major in accounting prepares candidates primarily for teaching and research careers in major academic institutions. The curriculum is tailored to the educational objectives of each candidate enabling specialization within the field of accounting as well as the selection of a support area of study. The doctoral primary area in accounting assumes course work equivalent to the University’s master of accounting program. However, it is possible for exceptional students to be admitted directly into the doctoral program without prior graduate work.

The University offers several supplementary fellowship awards to doctoral students that are in addition to the standard financial assistance provided by the College of Business. All applicants and continuing students are considered automatically for these awards. Additionally, current doctoral students have been successful in winning nationally competitive fellowships from international accounting firms, the McKnight Foundation, the American Accounting Association, and the American Institute of Certified Public Accountants.

Requirements

Graduate-Level Foundation Courses

The courses below are in addition to the general prerequisites of ECP 5706, MAN 5716, and QMB 5355 described elsewhere in this Graduate Bulletin, as well as to the calculus I and II requirement:

ACG 5135 Financial Accounting Theory
ACG 5356 Advanced Management Accounting
FIN 5445 Problems in Financial Management

The above requirements may be satisfied by equivalent course work taken elsewhere.
Primary Area Course Work
The following doctoral seminars and courses are required in the primary area in accounting.

ACG 6996 Seminar in Financial Accounting and Auditing Research (3)
ACG 6855 Seminar in Behavioral Accounting Research (3)
ACG 6885 Introduction to Accounting Research
ACG 6896 Seminar in Capital Market-Based Accounting Research (3)
ACG 6916 Supervised Research (3)
ACG 6930 Seminar in Accounting (3)
FIN 6808 Foundations of Financial Theory (3)

Additional topics may be pursued through directed individual studies with members of the accounting faculty. In addition to these regularly scheduled seminars, the accounting research colloquium meets weekly to share the results of recent research conducted by University faculty, doctoral students, and invited scholars from other universities.

Support Area Courses
For the support area, three or four courses and/or seminars are selected by the candidate in consultation with the primary area adviser. The support area may be chosen from an area either within or outside the College of Business. The nature of research in accounting is increasingly interdisciplinary, drawing on tools and concepts from economics, mathematics, statistics, finance, psychology, and other disciplines. These fields represent common areas in which recent doctoral students have chosen to take their support area course work.

For application forms and additional information related to graduate accounting programs, contact The Graduate Office, Room 215, College of Business, The Florida State University, Tallahassee, FL 32306-1110, or via email at gradprog@cob.fsu.edu.

Definition of Prefixes
ACG — Accounting: General
GEB — General Business
TAX — Taxation

Graduate Courses
Note: the 5000 level courses are reserved exclusively for graduate students. No courses carrying both undergraduate and graduate credit are offered. Courses which may be repeated for credit are designated by “r” immediately following the course number.

ACG 5308. Accounting Concepts for Managerial Control (3). Prerequisite: ACG 5005. The controllership function in relation to the responsibilities of management; special emphasis on the measurement and control of unit costs and special decisions of management. Cannot be taken for credit for the master of accounting degree.
ACG 5556. Advanced Management Accounting (3). Prerequisite: ACG 3351. A study of current advanced topics in management accounting.
ACG 5405. Advanced Accounting Information Systems (3). Prerequisite: ACG 4401. Design and operation of accounting systems; relevance of data processing and statistical techniques to the system of financial information and control.
ACG 5458. Emerging Technologies in Accounting and Auditing (3). This course is designed for master of accounting students with either an assurance services major or an accounting information systems major. The course furnishes students with knowledge and skills to account for and to audit firms that are using emerging technologies. It provides students with tools to identify and assess the risks of insecure electronic commerce systems and how to formulate security-conscious solutions.
ACG 5466. Enterprise Systems and Accounting (3). This course is designed for master of accounting students who are specializing in accounting information systems, assurance services or corporate accounting. The course furnishes students knowledge and skills to implement, use and audit enterprise-wide information systems. Students are expected to enter the course with an understanding of databases, as the database is the most crucial component of an enterprise-wide information system.
ACG 5505. Government and Not-for-Profit Accounting and Auditing (3). Prerequisite: ACG 4201. An introduction to financial and auditing requirements for government and not-for-profit entities.
ACG 5635. Auditing Theory and Application I (3). Prerequisite: ACG 4201. Theory of auditing and development of audit programs; procedures for obtaining audit evidence; auditor responsibility under Securities and Exchange Commission requirements.
ACG 5695. Challenges in Professional Accounting (3). Prerequisite or corequisite: ACG 5635. Case studies emphasizing elements of public practice, standards of professional conduct, fraud issues, systematic controls, auditing principles and standards, and communication of findings.
ACG 5905r. Directed Reading and Study (1–3). Prerequisite: Consent of department for academic programs. Each course is repeatable up to three times.
ACG 5906r. Special Studies in Management (1–3). Prerequisite: Consent of department for academic programs. Each course is repeatable up to three times.
ACG 5915r. Supervised Research (1–3). Prerequisite: Consent of department for academic programs. May be repeated to a maximum of five (5) semester hours.
ACG 5935r. Special Topics in Accounting (1–3). Prerequisite: Permission of instructor. Content varies to provide opportunity to study current issues in accounting and topics not offered in other courses. May be repeated to a maximum of five (5) times.
ACG 5945r. Supervised Teaching (1–3). Prerequisite: Consent of department for academic programs. May be repeated to a maximum of five (5) semester hours.
ACG 5975r. Thesis (3–6). Prerequisite: Consent of department for academic programs. Each course is repeatable up to three times.
ACG 6916r. Supervised Research (1–3). Prerequisite: Consent of department for academic programs. May be repeated to a maximum of five (5) semester hours.

Doctoral The doctoral curriculum includes courses selected from the following in addition to those offered at the 5000 level. In exceptional cases master’s candidates may elect 6000 level courses with permission of the instructor and the associate dean for academic programs.

ACG 6696. Seminar in Financial and Auditing Research (3). Prerequisite: Permission of instructor. An introduction to the academic literature in financial accounting and auditing research.
ACG 6835. Seminar in Behavioral Accounting Research (3). Prerequisite: Permission of instructor. A survey of the extant behavioral and human information processing literature as it relates to accounting and auditing.
ACG 6847. Seminar in Analytical Research (3). Prerequisite: Permission of instructor. A survey of analytical models in financial and cost/managerial accounting research.
ACG 6885. Introduction to Accounting Research (3). Prerequisite: Permission of instructor. A survey of subject areas studied and research methods applied in accounting.
ACG 6906r. Supervised Teaching (1–3). Prerequisite: Consent of department for academic programs. May be repeated to a maximum of five (5) semester hours.
ACG 6985. Dissertation Defense Examination (0). Prerequisite: ACG 8995. Readings For Examination (1–12). Prerequisite: ACG 8995. This course is designed for Ph.D. students who have completed all of their required course work and are preparing for their preliminary examinations during the current semester. May be repeated to a maximum of twenty-four (24) semester hours.

ADVERTISING
see Communication

AFRICAN HISTORY
see General Bulletin; History

AFRO-AMERICAN STUDIES
see General Bulletin

AGING
see Interdisciplinary Program in the Pepper Institute on Aging and Public Policy; Health-Related Programs
Certificate Program in the
PEPPER INSTITUTE ON
AGING AND PUBLIC
POLICY

COLLEGE OF SOCIAL SCIENCES

Director: David MacPherson (Economics); Mildred and Claude Pepper Eminent Scholar Chair: Quadagno (Sociology); Professors: Barrilleaux (Political Science), Bourgeois (Communication Disorders), Charness (Psychology), Fournier (Economics), Weisert (Political Science); Associate Professor: Reynolds (Sociology); Assistant Professor: Barrett, (Sociology), Bokhari (Economics), Dijstra (Psychology); Affiliates: Brooks, Brummel-Smith, Covart, Ebener, Ferris, Heron, Hinterlong, LaPointe, Licht, Lloyd, Miles, Ouimet, Panton, Pomidor, Ralston, Rohlinger, Taylor, Thomas, Toole, Vinton, Wollson

The Pepper Institute on Aging and Public Policy serves as a focal point for aging research and educational programs at The Florida State University. Resources are devoted to supporting individual and collaborative faculty research projects and funding graduate student education. Research activities include health policy; access to health care and health care financing; aging and social change; income security, work and retirement; social welfare and social security reform; end-of-life issues; Alzheimer’s patients and their caregivers; and successful aging. Faculty associates and affiliates from many other colleges are also involved in research activities in cognitive aging, elder abuse, the delivery of social services to older clients, the role of nutrition and exercise in improving the functioning of older people and technology aging.

The Pepper Institute on Aging and Public Policy offers special public lectures and conferences as well as an exceptional education outreach program for older adults, The Academy at FSU. Through public education and outreach, the Pepper Institute seeks to teach each new generation the importance of life-long learning and the value of service to others. The Pepper Institute is located in the Pepper Center, which houses state of the art research facilities, a computer lab, conference rooms, a survey support center, and faculty offices.

Master’s Degree in Aging Studies

The Master of Science in Aging Studies is an interdisciplinary program offered by the College of Social Sciences. The program prepares graduates to assume professional leadership positions in research, administration, planning, implementation and evaluation of programs designed to improve the lives of older adults and their families. Special opportunities exist for studying a wide range of areas including: pension and income security; health policy; access to health care and health care financing; social welfare and social security reform; end-of-life issues; aging and social policy and successful aging.

Admissions to the Program

The program admits students with a minimum of a baccalaureate degree from an accredited program. Admission criteria include a cumulative undergraduate grade point average (GPA) of 3.0 and a minimum score of 1000 on the combined verbal and quantitative portions of the general aptitude test of the Graduate Record Examination (GRE). For students for whom English is a second language, a TOEFL score of 550 (213 on the computer based version) is necessary. In addition to general University admission requirements, the Pepper Institute on Aging and Public Policy requires each applicant to submit a two-page statement of purpose and three letters of reference.

Program Options

The program offers three concentrations — Aging Policy, Evaluation and Research, Administration in Aging, and Health Care and Aging.

• The Aging Policy, Evaluation and Research concentration prepares graduates for both the private and public sectors to organize, evaluate, and manage information and programs designed to facilitate access to services for the elderly. Graduates will develop the analytical skills necessary to initiate research projects, analyze data, evaluate programs and recommend changes in aging policies for both Florida and the nation.

• The Administration in Aging concentration prepares graduates for leadership in the private and public sectors, to develop and administer programs that enhance services and quality of life for older adults. Graduates will develop an understanding of the special needs and concerns of elders and will learn about the administrative skills necessary to manage and evaluate the effectiveness of alternative methods for providing services.

• The Health Care and Aging concentration focuses on the growing interest in health care issues. Long-term care, end-of-life issues, assisted living, and Alzheimer’s disease are a few of the special interest areas that students have an opportunity to explore in depth. Graduates develop an understanding of the national health policy system including Medicare and Medicaid and how our national health policy affects the health care of older adults.

Course of Study

The program builds upon a core set of requirements, eighteen (18) semester hours, that reflect the basic skills necessary to administer and evaluate programs and data for aging related professional positions. A total of thirty-six (36) semester hours earned at a minimum of a 3.0 GPA, with a maximum of three (3) semester hours taken S/U are required for graduation. A six (6) semester hour graduate field practicum is required for the Master in Aging Studies degree. The practicum provides students with a supervised work experience in a professional organization involved in research, training, or direct service in aging. Students may choose to complete a research thesis in lieu of the graduate field practicum.

For elective coursework students will take twelve (12) semester hours selected from a list of eligible academic courses provided for each concentration. Additional courses may be available. Please check with the Master’s Administrator.

Core Courses

Eighteen (18) semester hours required of all Master’s in Aging Studies students.

General Aging (select two)

MHS 6938 Special Topics in Counseling Psychology [Social Psychology of Aging] (3)
PET 5077 Physical Dimensions of Aging (4)
PSY 5916 Research Topics in Psychology [Adult Development and Aging] (3)
SOW 5646 Aging and Old Age (3)
SYA 6933 Selected Topics in Sociology [Social Psychology of Aging] (3)
SYP 5735 Sociology of Aging (3)
SYP 5737 The Dynamics of Aging and Social Change (3)

Economics (select one)

ECO 5836 Special Topics [Economics of Aging] (3)
ECO 5936 Special Topics in Economics [Economics of Health] (3)
PAD 5227 Managing Public Financial Resources (3)

Methods (select two)

Students are advised to take both of their Methods courses in the same program.

Methods I (select one)

PAD 5700 Research Design in Public Administration (3)
SYA 5345 Introduction to Research Methods (3)
URP 5201 Techniques of Planning Analysis I: Research and Evaluation (3)

Methods II (select one)

PAD 5701 Quantitative Analysis in Public Administration (3)
SYA 5455 Social Statistics and Data Analysis (3)
URP 5211 Techniques of Planning Analysis II: Statistics (3)

Policy (select one)

POS 5456 Interest Groups and Policy (3)
PUP 5005 Public Policy: Institutions and Processes (3)
PUP 5007 Models of Public Policy-Making (3)
PUP 5335 Aging Politics and Policy (3)
URP 5530 Policy and Planning for the Aging (3)

Elective Courses

Twelve (12) Credit Hours required. With the consent of their advisor, students will select courses that meet the needs of their chosen area of concentration.

Aging Policy, Evaluation and Research Concentration

ECO 5936 Special Topics [Economics of Aging] (3)
PAD 5327 Public Program Evaluation (3)
PAD 6108 Institutions, Policy & Management (3)
POS 5127 State Government and Politics (3)
PUP 5007 Models of Public Policy-Making (3)
SYA 6933 Selected Topics in Sociology [Social Psychology of Aging] (3)
SYO 5545 Social Institutions and Complex Organizations (3)
URP 5530 Policy Planning for the Aging (3)

Administration in Aging Concentration

ECO 5936 Special Topics [Economics of Aging] (3)
MAN 5205 Organization Theory (3)
MAN 5206 Organizational Behavior (3)
Certificate in Aging Studies

The Pepper Institute on Aging and Public Policy administers a graduate Certificate in Aging Studies on behalf of the College of Social Sciences. The certificate offers opportunities for interdisciplinary education in aging studies and provides an educational credential that documents the additional training and experience that the student has received in the field of aging. This is recorded on the student’s official university transcript. To earn the graduate Certificate in Aging Studies, students must complete a total of twelve (12) semester hours and satisfy the requirements in both coursework and a practicum in aging studies.

1. Students should complete nine (9) semester hours of coursework selected from a list of approved aging studies courses. No more than two courses may be taken in the student’s major area of study; at least one course must be taken from another department. Approved courses offered for the upcoming semester are listed on the Pepper Institute website at http://www.pepperinstitute.org. Select the “Certificate Program” link to view the current semester’s approved course listing.

2. To complete the internship, students should enroll in ISS 5945, Internship.

Selected Course Offerings

ADE 5193 Education and Training in Gerontology (3)

Program in AMERICAN AND FLORIDA STUDIES

College of Arts and Sciences

Director: John Fenstermaker (English); Advisory Committee: Bearor (Art History), Green (History), Junonville (History), Lhamon (English), Moore (English), Wiegand (Information Studies)

American and Florida Studies is concerned with the culture of the United States and Florida from crossdisciplinary and interdepartmental perspectives. The aim of the program is toward enlarged dimensions of awareness rather than on 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.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Master’s Degrees

Students applying for the major of arts program in American and Florida Studies should have had an undergraduate major in one of the American studies areas and must satisfy the director that they are qualified for the type of work offered by the program.

Doctoral Degrees

A doctor of philosophy (PhD) degree in Humanities with a concentration in American Studies is an option for those students who want to combine their interest in American Studies with graduate training in the teaching of Humanities at the college level. The graduate program in Humanities at The Florida State University cooperates closely with American and Florida Studies in tailoring a course of study to fit the needs of the individual student.

Graduate Certificate Program

All students currently enrolled in a graduate program are eligible to apply for the Graduate Certificate program. Work toward the certificate gives graduate students at both the MA and PhD levels in other disciplines, particularly those in the American Studies core areas, an opportunity through interdisciplinary study to develop a deeper understanding of the pluralistic society they inhabit and to learn new ways to conceptualize social issues, culture, and art throughout American history.

The certificate program in American and Florida studies requires twelve (12) semester hours in at least three disciplines outside the student’s department and must include at least one AMS seminar. Ordinarily, students will select courses from a recommended list available from the American and Florida Studies office. The final required project is an article prepared for publication according to the guidelines of a major professional journal. Each student’s final program of study must be approved by the director.

Definition of Prefix

AMS — American Studies

Advanced Undergraduate Courses

AMC 3310. Changing Concepts of the American Character (3).
AMC 3810. The Life of the Mind in America (3).
AMS 3932c. Lecture Series in American Problems (3–6). May be repeated to a maximum of six (6) semester hours.
AMS 3949. Cooperative Education Work Experience (0), (S/U grade only.)
AMS 4935. Senior Seminar (3).
Graduate Courses

AMS 5809r. Seminar in American Culture (3). May be repeated to a maximum of six (6) semester hours.
AMS 5815r. Seminar in American Thought (3). May be repeated to a maximum of six (6) semester hours.
AMS 5908r. Directed Individual Study (1–3). May be repeated to a maximum of six (6) semester hours.
AMS 5915r. Supervised Research (1–3), (S/U grade only) May be repeated to a maximum of five (5) semester hours.
AMS 5940r. Supervised Teaching (1–3), (S/U grade only) May be repeated to a maximum of five (5) semester hours.

AMS 5942r. Internship in an Approved American Studies Field (3–9), (S/U grade only). Must complete nine (9) semester hours on the graduate level before registering for the internship. May be repeated to a maximum of nine (9) semester hours.
AMS 5971r. Thesis (1–6), (S/U grade only). A minimum of six (6) semester hours credit is required.
AMS 8960r. Master's Comprehensive Examination (0), (P/F grade only).
AMS 8976r. Master's Thesis Defense (0), (P/F grade only).

Department of ANTHROPOLOGY

COLLEGE OF ARTS AND SCIENCES

Chair: Dean Falk; Professors: Doran, Falk, Grindal, Pohl; Associate Professors: Josserand, Marrinan, Peters; Assistant Professors: Gravlee, Parkinson, Uzendoski, Ward; Visiting Assistant Professor: Hellweg; Professors Emeriti: Ho, Paredes; Courtesy Professor: Pullen; Adjunct Professor: Harmon

The Department of Anthropology offers graduate training in most of the major areas of anthropology. Course work and research experience are available in prehistoric and historic archaeology, European prehistory, Mesoamerican archaeology and linguistics, nautical archaeology, paleodemography, zooarchaeology, American Indian studies, applied anthropol- ogy, studies of contemporary American South, peace studies, osteology, forensic anthropology, paleoanthropology, and primate behavior. Geographic areas of study by the faculty include the Southeastern United States, the Caribbean, Mesoamerica, South America, Africa, China, Europe, and Japan.

The Florida State University, through the Department of Anthropology, has established ties with the Southeastern Archeological Center (SEAC), which is responsible for archaeological research and collections from National Park Service installations throughout the southeastern United States, Puerto Rico, and the U.S. Virgin Islands. The SEAC artifact collections exceed three million items and span the period from Paleo-Indian to the 19th century.

Archaeological field schools and field research opportunities are available to graduate students. These include a prehistoric mound center, a Hungarian Copper Age site, and a Mayan agricultural and settlement sites in Belize, Central America. Through SEAC and The Florida State University Scientific Diving Program, there are opportunities for advanced students to participate in underwater archaeological activities.

Training and field experience also are available in physical anthropology, ethnology, and applied anthropology. Programs sponsored by other University departments of interest to anthropology students include the master’s program in historical administration (Department of History), the master’s program in ethnomusicology (School of Music), and the international/intercultural education program (College of Education).

AMS 5809r. Seminar in American Culture (3). May be repeated to a maximum of six (6) semester hours.
AMS 5815r. Seminar in American Thought (3). May be repeated to a maximum of six (6) semester hours.
AMS 5908r. Directed Individual Study (1–3). May be repeated to a maximum of six (6) semester hours.
AMS 5915r. Supervised Research (1–3), (S/U grade only) May be repeated to a maximum of five (5) semester hours.
AMS 5940r. Supervised Teaching (1–3), (S/U grade only) May be repeated to a maximum of five (5) semester hours.

Master’s Degree in Anthropology

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

The Department of Anthropology offers the master of arts and master of science degrees. Acceptance into the degree programs is based on a satisfactory Graduate Record Examinations (GRE) score (minimum 1000), an undergraduate grade point average (GPA) of 3.0 or better, the applicant's statement of interest and career objectives, and three letters of recommendation.

For a course-type master’s degree students must complete a minimum of thirty-two (32) semester hours, of which at least twenty-one (21) hours must be taken on a letter-grade basis. Students also must write and defend a predoctoral paper in addition to meeting other college requirements. For a thesis-type master’s degree, students must complete a minimum of thirty (30) semester hours, of which at least twenty-four (24) hours must be taken on a letter-grade basis. Students also must write and defend a master’s thesis. Individual programs are planned by students and their advisor. For additional information, please refer to http://www.anthro.fsu.edu.

All candidates for the master’s degree in anthropology must meet the same University-wide foreign language requirement as that described specifically for the master of arts degree at The Florida State University. Students working toward the master of arts degree also must complete a University-wide humanities requirement. Both requirements are described in the “Graduate Degree Requirements” chapter of this Graduate Bulletin. The master of science degree must also satisfy the foreign language requirement but not the humanities requirement. Special regulations outlining the several programs offered are available from the Department of Anthropology. For additional information, please refer to http://www.anthro.fsu.edu.

Doctor of Philosophy in Anthropology

Admission Requirements

Acceptance into the doctoral program directly from a bachelor’s degree program is based on a satisfactory Graduate Record Examinations (GRE) score (combined score of 1200 on quantitative and verbal), an undergraduate grade point average (GPA) of 3.5 or better, a statement of interest and career objectives, and three (3) letters of recommendation. Students with a master’s degree from another institution who meet the University requirements (minimum combined score of 1000 on the quantitative and verbal sections of the GRE and a 3.0 GPA) also are welcome to apply.

Upon admission, the doctoral student’s previous coursework and experience will be evaluated by the departmental doctoral studies committee. Recommendations will be made regarding major field area selections, elective coursework, and appropriate language proficiency. Each student will declare a major field within anthropology: sociocultural anthropology, physical anthropology, linguistic anthropology, or archeological anthropology.

Course Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Students must complete thirty (30) semester hours of graded course work beyond the master’s level and twenty-four (24) dissertation hours for a total of fifty-four (54) semester hours. Undergraduate students who enter the doctoral program directly will complete a course-type master’s degree, which does not require a thesis or paper in lieu of thesis, but which requires completion of thirty-two (32) semester hours of course work, at least twenty-one (21) of which must be taken on a letter-grade basis. Distribution of the thirty (30) hours of course work is as follows: most of the hours will be taken in graded courses within the department but up to six (6) hours of course work outside the Department of Anthropology may be applied to the thirty (30) hour requirement, subject to the student’s committee and the graduate coordinator. No more than six (6) hours of graded Directed Individual Study (DIS) may be taken for credit.

Specific course requirements are as follows:

1. Students will be required to take core courses in the four sub-fields of anthropology and a graduate pro-seminar in their first year. For those students entering the program with a master’s degree from another institution, the core courses must be taken in addition to the thirty (30) semester hours required for the PhD. These courses are as follows:

   - ANG 5117 Core Seminar in Archaeology (3)
   - ANG 5493 Core Seminar in Cultural Anthropology (3)
   - ANG 5513 Core Seminar in Physical Anthropology (3)
   - ANG 5675 Core Seminar in Linguistic Anthropology (3)
This course intro...

Doctoral Degree in Humanities

State University requires that the dissertation...in a timely manner. The Florida...

This sequence will...three to four (3-4) semesters. Because of...

hand will be expected to complete the required...

Additional Requirements

The doctoral studies committee will evaluate each student’s language preparation and make recommendations regarding the appropriate level of language proficiency. Students must dem-onstrate reading competency of anthropological literature in at least one foreign language. Stu-dents will be required to pass the departmental comprehensive examination at the beginning of their third semester in the program. Each student must pass a qualifying examination or complete and defend a predoctoral paper before submit-ting a dissertation prospectus. Each student must have a 3.0 grade point average (GPA) and have satisfied the language requirement before tak-ing the qualifying examinations or defending the predoctoral paper. Successful completion of the qualifying examination or defense of the pre-doc toral paper admits the student to candidacy for the doctoral degree.

A dissertation prospectus is due within six weeks of passing the qualifying examination. It is expected that the full dissertation committee will meet to evaluate the defense of the prospectus. The dissertation committee is composed of at least three eligible members of the Department of Anthro-pology and one outside member of The Florida State University graduate faculty.

Dissertation credit hours are anticipated to include fieldwork, data collection and analysis, synthesis, and writing. An oral defense of the dissertation will be held by the dissertation com-mittee and the candidate upon completion of the dissertation. The dissertation must be available to the committee members at least one month before the defense may be scheduled.

Sequenced Course of Study

Students entering the doctoral program with a bachelor’s degree will be required to complete the hours required for a master’s degree before they begin taking courses at the doctoral level. Full time PhD. students with master’s degree in-hand will be expected to complete the required thirty (30) semester hours of course work during the first three to four (3–4) semesters. Because of the nature of anthropological fieldwork and its intimate relation to the dissertation, it is expected that the fieldwork and analysis portion of the dissertation hours (the first twelve [12] semester hours) will take up to one and one-half years following the qualifying examination. Dissertation writing (the last twelve [12] semester hours of dissertation credit) should be completed in an-other six months to one year. This sequence will allow a motivated student to progress through the program in a timely manner. The Florida State University requires that the dissertation be completed within five years of admission to candidacy.

Doctoral Degree in Humanities

The Florida State University offers an inter-departmental doctoral program in humanities. Some areas of anthropological interest (e.g., historical archaeology, religion, and literature) may be appropriate for this program. Students interested in this program should contact the Di-rector of the Program in Humanities for further information.

Definition of Prefix

ANG

Anthropology Graduate

Graduate Courses

ANG 5001. Proseminar (1). (S/U grade only) Designed to acquaint beginning graduate students with the organization of anthropology as a discipline, and to introduce them to basic bibliographic tools and related skills in anthropology.

ANG 5091. Seminar in Research Methods (3). This course is an introduction to the design and execution of scientific research designs as used in anthropology including research designs, consideration of the variations for field work and for laboratory/library projects. It will also consider the format for the publication of results. Each of the elements of research design will be considered and a variety of readings will be utilized to understand the basic elements.

ANG 5115. Seminar in Anthropological Method and Theory (3). In-depth exploration of current theoretical and methodological topics in anthropological fieldwork. Aim is to develop a critical assessment and understanding of underlying principles and assumptions in the field of anthropology.

ANG 5152. Geoarchaeology (3). Designed in a seminar style, this course provides students with an intimate relation to the dissertation, it is expected...applying anthropological perspectives contributing to the development...of public archaeology as a viable method of dealing with historic and historic materials in the United States are stressed.

ANG 5240. Anthropology of Religion (3). This course addresses the cultural conceptions of supernatural reality, with emphasis on comparative understanding of myth and ritual, the religious experience, and religious evolution and revitalization movements.

ANG 5242. Symbol and Ritual (3). This course is an introduction to symbolic approaches in anthropology and the study of ritual. It critically analyzes the mechanisms that anthropologists use in analyzing symbolic activity. Mate-rial comes from various parts of the world.

ANG 5309. Conquest of the Americas (3). This course provides an introduction to the nature and function of domination, power and resistance and specific historical...anthropological perspectives contributing to the develop-

ANG 5182. Techniques of Archaeological Conserva-tion (3). Prerequisite: ANT 3105. This course is designed to familiarize students with contemporary techniques of artifact analysis. Bridges the gap between archaeological field data and activities that produced the data. May be repeated to a maximum of six (6) semester hours.

ANG 5196. Public Archaeology (3). This course explores the...specifics of the field and its contributions to our understanding of the past.

ANG 5110. Seminar in Lithic Analysis (3). This seminar-style course introduces students to the field of lithic analysis. An overview of...are covered.

ANG 5134. 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 will focus on a variety of cultures and watercraft built out of the Americas.

ANG 5136. Ship Construction: Dugout to Steamboats (3). This course, students will gain an appreciation and un-derstanding of ancient and historic watercraft through studying specific ship construction in both ancient, cultural, historical, environmental and economic contexts.

ANG 5317. Nautical Archaeology: Global View (3). In this course, students will study the inter-cultural and...and the history of the ancient world.

ANG 5337. Human Conflict: Theory and Resolution (3). This course provides an introduction to the nature and inferences of human conflict from the interdisciplinary perspec-tive of anthropology. This class explores exchange theory, gift and commodity distinctions, and the anthropological use of world-systems theory.

ANG 5338. Ship Research and Reconstruction (3). Students will gain practical experience in studying ship and boat construction, and will present research orally, in writing, and through illustrations such as site plans and photos.

ANG 5357. Peoples and Cultures of Amazonia (3). This course explores problems of similarity, difference, diversity and biocultural and cultural variation within Amazonia. It addresses the classical anthropological problem of where one culture ends and another begins with regard to Amazonian peoples, regional networks of resource extraction and subsistence knowledge of plants, animals, and natural resources. It also explores the fundamental social and cultural diversity of Amazonian cultures, and their adaptation to the diverse environments of the Amazon region.

ANG 5358. People and Cultures of Africa (3). This course explores the Africa through the reading and discussion of ethnographies of African life. While situat-ing Africa within broad historical dynamics that shaped the
**Department of Art**

**School of Visual Arts and Dance**

*Chair:* Roald Nasgaard; *Professors:* Blakely, Burgraf, Fichter, Messersmith, Nasgaard, Roche, Williams; *Associate Professors:* Bowens, Garcia-Roig, Hartwell, Hook, Lindbloom, Oida, Roberson, Rubin, Rutkowski; *Assistant Professors:* Groening, Jones, Assistants in Art: Kariko, Raulerson, Straus, Wyatt-Magalian; *Professor Emeritus:* Bell

The Department of Art offers a course of study leading to the master of fine arts (MFA) degree. The program is national in orientation and contributes to the cultural life of the University, the Tallahassee community, and the state of Florida. The strength of the department lies in the excellence of its faculty-member and their commitment to the personal practice of art as a vital part of a university.

A major role of the University is to maintain and develop a sense of research and inquiry. Within this context, students of the department are taught how to approach and solve visual problems in two and three dimensions. The program has several general goals: to stimulate students to the free expression of their creative ideas, to provide instruction in the skills and techniques necessary to this expression, and to guide students in their search for a personal position in the visual arts.

The curriculum of the Department of Art is largely designed to train professional studio artists, giving students the discipline and artistic understanding required for life as practitioners. Students develop the capacity for creative thinking and a sense of open inquiry, together with a thorough awareness of the multiplicity of new and traditional principles, thus enabling them to make a valuable contribution as artists, teachers, or arts administrators.

**Media**

The Department of Art faculty admits graduate students in the fall and spring of each year. Work is usually done in painting, sculpture, drawing, printmaking, print- and papermaking, photography, video, electronic media, and clay. However, the studio workshop class structure and interdisciplinary freedom that is part of the departmental philosophy allow the ideas to dictate the medium that students use.

**Academic Programs**

**ANG 5426. Kinship and Social Organization** (3). This course reviews historical and contemporary anthropological approaches to the study of kinship and social organization as defined by kinship and social organization, genetic definitions of human relations, and the impact of new reproductive technologies on definitions of family, bringing the vast body of anthropological literature on kinship to bear upon ongoing debates about definitions of family and society.

**ANG 5478. Cultural Evolution** (3). This course explores ethnoarchaeological and archaeological models to understand and explain the various forms of political and economic organizations exhibited by human societies.

**ANG 5491r. Seminar in Social Anthropology** (3). May be repeated to a maximum of six (6) semester hours.

**ANG 5493. Core Seminar in Cultural Anthropology** (3). This course introduces students to the body of literature in cultural anthropology, including the corpus of knowledge, the basic concepts, major scholars, and the debates over current issues in the profession.

**ANG 5511r. Seminar in Physical Anthropology** (3). May be repeated to a maximum of six (6) semester hours.

**ANG 5513. Core Seminar in Physical Anthropology** (3). This course is a fundamental guide to the nature and principles of physical anthropology. It is required for all students majoring in physical anthropology and will present the primary topics. It will include both historic and modern perspectives.

**ANG 5580r. Archaeology** (3). Focuses on the methods and strategies of biocultural and paleodemographic analysis. While it uses substantial bodies of archaeological data, the course is primarily a physical anthropology course. Course stresses the identification of archaeological data sets and methods.

**ANG 5585. Major and Theory in Human Biology** (3). This course provides an overview of current methods and theory in human biology research with emphasis on adaptation, variation, and biocultural interactions in living human populations. This course also trains students in field methods for assessment of nutrition, growth and development, stress, and stress associated with current student and faculty projects. Topics vary accordingly. May be repeated when topics change. May be repeated to a maximum of nine (9) semester hours.

**ANG 5906r. Directed Individual Study** (1–3). May be repeated to a maximum of twelve (12) semester hours.

**ANG 5910r. Supervised Research** (1–3). May be repeated to a maximum of three (3) semester hours.

**ANG 5940r. Supervised Teaching** (1–3). May be repeated to a maximum of three (3) semester hours.

**ANG 5942r. Internship in Museum Studies** (3–9). Internships in participating museums and curatorial institutions provide students with a variety of professional work experiences, under the supervision of the students academic advisor and a collaborating museum professional. May be repeated to a maximum of nine (9) semester hours. Concurrent registration is permitted.

**ANG 5971r. Master's Thesis** (1–6, S/U grade only). Six (6) semester hours credit required.

**ANG 5976r. Master's Thesis Defense** (0, P/F grade only).

**ANG 6199r. Research Seminar in Anthropology** (3). Presentation and discussion of research and analysis issues associated with current student and faculty projects. Topics vary accordingly. May be repeated to a maximum of six (6) semester hours.

**ANG 6484. Cultural Analysis** (3). Cultural analysis describes an empirical approach to human behavior that recognizes culture as exhibiting artists or free-lance designers. In career advancement, as much of the curriculum, the greatest encouragement is given to achieving the goal of professional artist.
Facilities
The art department is housed in four locations, including two large warehouses converted to studio spaces and equipped to meet the needs of working artists. In these spaces, students participate in group seminar classes and individual tutorials, and faculty members will typically stop by and talk about specific problems suggested by the work, or they may bring up more general artistic issues or technical problems. These discussions are very informal. A rich dialogue always occurs among students.

Graduate students also have access to the department’s photography labs, sculpture labs including a foundry, computer labs, printmaking labs and installation rooms.

Visiting Artists
An active visiting artist program brings people in from all parts of the country who are experts in their field. They will usually give a general lecture with slides or other electronic media, as well as informal critiques. The University’s annual celebration of Seven Days of Opening Nights also brings prominent artists, critics, and historians to the campus.

University Fine Arts Gallery and Museum
The University Fine Arts Gallery and Museum is an integral part of the educational mission of the art department. It has a tradition of originating exhibitions of important contemporary art in the United States, as well as bringing to the community some of the best shows others galleries have originated. The program regularly includes national and regional competitions and invitational, faculty, and student exhibitions, along with lectures and symposia devoted to significant developments in art history and art criticism. Graduating students display their thesis exhibitions in the University Fine Arts Gallery. The University and the city offer a variety of other exhibition spaces.

Art History
Art history and criticism are an essential part of the MFA program with at least three courses required. A broad range of courses is available to help provide depth of understanding of fundamental artistic issues that artists have always faced.

Financial Assistance
The art department offers financial support in the form of fellowships, teaching assistantships, and technical or laboratory assistantships. Those who are interested in a teaching assistantship are required to take a course in supervised teaching. Technical assistantships are awarded to first-year or second-year students. Teaching assistantships are awarded in the second year of residency except in the case of students with a master of arts degree or teaching experience. Financial assistance is awarded based on merit.

Requirements

Admission
In addition to University admission requirements, the department requires that all applicants submit a portfolio of 20 slides of recent original work and an artist’s statement describing and contextualizing the work submitted for review. Where it is necessary, other media, such as videotape or photographs, may be submitted in place of slides. Please contact the art department for more specific information and a copy of the MFA Handbook.

Program
The master of fine arts is a terminal degree for those who wish to practice studio art, teach at the college level, or function in a curatorial role. It is a two-year residency with a minimum requirement of sixty (60) semester hours at the graduate level. The program includes a minimum of thirty-two (32) semester hours in studio art, eleven (11) hours of electives within or outside the department, a minimum of three courses (nine [9] hours) in art history at the graduate level, and a minimum of eight (8) hours toward preparation of the graduate exhibition and thesis. All students are required to produce a thesis document as part of their graduating thesis exhibition. While it can be a researched position paper about a pertinent art issue, it is more typically a catalog, brochure, or other document prepared for the graduation exhibition, in which case it should be a creative work in its own right.

Review Process
The student progresses through the MFA program by a series of regular reviews held each semester. During these reviews students present their work and engage in a constructive dialogue with the faculty. The students must pass their final exhibition reviews; students who do not pass are required to resubmit their work at a later time.

Definition of Prefix
ART — Art

Graduate Courses in Studio Art

ART 5810r. Seminar in Studio Problems (4). Faculty develops timely topics of interest and importance. May be repeated to a maximum of twelve (12) semester hours.

ART 5907r. Directed Individual Study (1–4). Prerequisite: ART 5927Cr. May be repeated to a maximum of twelve (12) semester hours.

ART 5934r. Contemporary Art Seminar (1). Prerequisite: ART 5927Cr. May be repeated to a maximum of twelve (12) semester hours. (S/U grade only.) Visiting artists forum: lectures by visiting artists and other guests with both group and private dialogue with each guest. May be repeated to a maximum of six (6) semester hours.

Graduate Workshops
The workshop system permits the student to select professors based on the students interest and needs.

ART 5927Cr. Graduate Workshop (1–4). Tutorial. May be repeated to a maximum of twelve (12) (28) semester hours.

ART 5928Cr. Graduate Workshop (4), Prerequisite: ART 5927Cr. May be repeated to a maximum of twenty-eight (28) semester hours.

ART 5929Cr. Graduate Workshop (4). Prerequisite: ART 5927Cr, 5928Cr. May be repeated to a maximum of twenty-eight (28) semester hours.

ART 5937r. Graduate Instruction in Advanced Technical Problems (4–8). May be repeated to a maximum of eight (8) semester hours.

ART 5940r. Supervised Teaching (1–3), (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

ART 5972r. Graduate Show and Thesis (1–8). (S/U grade only.) Students sign up for this course in preparation for their Show and Thesis review. This is typically during their third and fourth semesters of residency. May be repeated to a maximum of eight (8) semester hours. A minimum of six (6) semester hours credit is required.

Department of ART EDUCATION
SCHOOL OF VISUAL ARTS AND DANCE

Chair: Marcia L. Rosal; Professor: Anderson, Dorn, McRorie, Rosal; Associate Professor: Finnegan; Assistant Professor: Villeneuve; Visiting Assistant Professors: Gussak, Orr

The Florida State University Department of Art Education is the oldest department of its kind in the South. The distinguished faculty in the Department of Art Education is composed of six members, each of whom holds the doctoral degree.

The graduate curricula lead to the master of arts in arts administration, the master of arts and master of science, specialist, doctor of philosophy, and doctor of education degrees in art education, including specialization options in art therapy and arts administration.

Admission to the Master’s Degree Program
Applicants for admission to any of the options of the master’s degree program should have an undergraduate major related to art, art education, arts administration, or thirty (30) semester hours in art and/or art education coursework. Deficiencies may be made up after acceptance into the program, and in fact, it is expected that many candidates for option II will find this to be necessary. Additional admission requirements include their completion of a questionnaire, official transcripts from all previous course work, results from the Graduate Record Examinations (GRE), three letters of recommendation, a portfolio (slides or CD-ROM) of the candidate’s studio work (and the candidate’s student work if applicable) in a clear plastic sheet, and a 1,000-word biography that should include career goals and why the applicant is applying to this program. Candidates must achieve either 1000 on the combined verbal/quantitative portions of the GRE or a 3.0 grade point average on a 4.0 scale for all hours after the first sixty (60) semester hours of undergraduate education for admission to the program. In addition, two years of teaching experience is desired of applicants for option I. An interview is required of students applying for option III.

Financial Assistance
Financial assistance is available through federal and state financial aid programs, departmental assistantships, and the college and University fellowships. Certain fellowships are available only to new Florida State University graduate students. Consulting work through the Teacher Education Center Office on campus is also available.
Applications for fellowships and scholarships should be made before January 1st preceding the year the applicant intends to enter. Teaching and research assistantships in the Department of Art Education are available. Applications submitted will be considered after the student has been accepted into the program. Teaching and research assistantship applications should be made to the department preceding the intended entrance to the program.

**Requirements for the Master of Arts and Master of Science Degrees in Art Education**

Candidates for the master’s degree in art education in options I and III will be required to write a thesis (a minimum of six [6] semester hours) and complete at least thirty (30) hours of additional course work (thirty-six [36] hours total) or complete a project (a minimum of three [3] semester hours) as part of a minimum thirty-three (33) semester hour program. Normally only 5000-level courses may be used for graduate credit, although with departmental consent two courses may be taken at the 4000 level. Core requirements for the master’s degrees include ARE 5242, 5641, 5745, and 5935, plus ARE 5971 (thesis) or ARE 5910 (project). Six (6) semester hours may be transferred from another institution with the consent of the faculty.

The needs of the individual student are reflected in the individualized program of study. Generally, courses are determined in counsel with the major professor and committee. Certification requirements, professional registration, and University regulations are subject to change.

Three professional options are available to the master’s student in art education: comprehensive art education, art education certification, and art therapy. These options represent a diversification in graduate studies that reflects the increased specialization needed for current trends in art education.

**Option I. Comprehensive Art Education**

This option is designed to develop in-depth knowledge and skills in the areas of production, art history, art criticism, and aesthetics. The program is highly individualized; therefore, courses other than core requirements are not specified. This program is of particular interest to candidates with public school and junior college interest.

Courses may be selected from: the studio art department’s graduate workshops in painting, sculpture, mixed media, visual communication, photography, ceramics, and other areas; the art history department’s advanced areas in ancient and classical, medieval, Renaissance, and Baroque, modern, and non-Western art; and the Department of Philosophy’s courses in philosophy of art and aesthetics.

**Option II. Art Education Certification**

This option provides comprehensive knowledge and skills in formal education systems. Certification requirements for teaching and administration are incorporated into individual programs of study. Courses include certification track course work in addition to the core requirements for the master’s degree to make the candidate eligible for a K–12 certification in art in the state of Florida. Remediation of areas of study may be determined by individual deficiencies at the bachelors degree level. State regulations for certification in art mandate: fifteen (15) semester hours of studio, three (3) of which are three-dimensional; six (6) semester hours of art history; and three (3) semester hours of aesthetics.

**Option III. Art Therapy**

This option is designed to explore theory and practice of therapeutic techniques in art and psychology. Prerequisite experiences that translate into practice for the development of professional art therapists. The program is of particular interest to people working in community health facilities, and those who wish to meet Art Therapy Credentials Board (ATCB) requirements for registration.

The program of studies in art therapy adheres to the American Art Therapy Association (AATA) guidelines for education and is an AATA-approved program. The program includes both academic content and clinical experience. Twelve (12) semester hours of psychology prerequisite courses are required and may include CLP 4143, PSY 2012, 4604, or DEP 3103, 3305.

**Requirements for the Master of Arts in Arts Administration**

The master’s degree in arts administration provides leadership training for arts agencies, community arts organizations, and visual and performing arts institutions. The degree emphasizes interactions between the visual arts, music, dance, and theatre. Study centers on management and administrative responsibilities and strategies. Course options include the areas of public and private support systems, structures of arts agencies, fund-raising, grant writing, personnel management, marketing, education, and advocacy. Requirements: a minimum of three (3) semesters to complete, consists of a minimum of thirty-nine (39) semester hours and includes: four courses in the arts administration core (ARE 5262, 5665, 5865, and 5253); a minimum of nine (9) hours in general core requirements (ARE 5245, 5641, 5745, or 5935); nine (9) hours in interdisciplinary course work such as marketing, accounting, public administration, and human resources management; and nine (9) hours of internship. The remainder of the program is based on the needs of the individual student and the degree requirements of the School of Visual Arts and Dance.

The Center for Arts Administration Program’s mission is to provide research and service as a resource base for teaching and learning in arts administration in conjunction with the Department of Art Education. In this role the center and the department coordinate a multidisciplinary academic program in arts administration among several colleges and schools of the arts and in service to the state, government, and business. Courses may be elected by majors in all interested fields. Research capacity is offered to agencies in Florida and the Southeast. Education for arts administrators through short courses, workshops, and lectures for agency personnel provides service for the cultural and economic development of the area.

**Certificate Options**

**The Arts and Community Practice**

The certificate program in the arts and community practice is designed for 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 is given to prevention, enrichment, and response to social concerns.

Students must apply through the program in which they are currently enrolled. Applicants for the certificate program will be accepted from degree-seeking students who are in the MSW or PhD program in social work, MFA program in dance, or MA/MS or PhD program in art education/therapy. Students must have a minimum 3.0 GPA to be accepted into the program.

The program requirements are based on the integration of the theoretical and practical aspects of dance, art therapy, and community-based generalist/clinical social work. The requirements include specified course work in dance, art education/therapy, and social work totaling twelve (12) semester hours with at least three (3) semester hours taken from each program and the completion of a major paper or project linking theory and practice. The program of study for the certificate program must be approved by the student’s school or departmental representative.

**Museum Studies**

This is an interdepartmental program leading to a certificate in museum studies for graduate students who wish to supplement their academic knowledge with specific expertise and training in the museum field. Graduates of the program may seek employment in various types of museums and related institutions.

Students must fulfill departmental prerequisites for a graduate degree and, in addition, complete four museum studies core courses, a six (6) semester hour internship, electives and special requirements as stipulated by participating departments. In addition, students are strongly encouraged to partake in regularly scheduled museum career activities. Students must apply to the museum studies program, School of Visual Arts and Dance.

**Requirements for the Specialist Degree in Art Education**

The specialist degree in art education is offered for those who wish to continue study without pursuit of the doctorate. This is a research and master teacher degree for students with an extensive background in art education who wish to continue service in public education. Requirements and procedures are similar to the doctorate except for the substitution of a project for the dissertation.
Graduate Bulletin

Admission to the Doctoral Degree Program

The art education doctoral admissions requirements and procedures are subject to all regulations specified for graduate studies in the University’s Graduate Bulletin for the academic year in which the doctoral student first matriculates.

Specifically, admission requirements include:

- Taking the Graduate Record Examinations and achieving a score of 1000 or more, or a 3.5 GPA on a 4.0 scale on a master’s degree from an accredited institution.

The baccalaureate degree must be from an accredited college or university in art, art education, or related fields.

Deficiencies may be made up. The applicant must be in good standing in the institution of higher education last attended.

Requirements for the Doctoral Degree in Art Education

Purpose of the Program

The program is designed to produce leaders in instruction, research, and administration in art education, art therapy, and art administration. It is expected to encourage students to make a significant contribution to the body of knowledge that constitutes the teaching/learning and administrating processes in the arts. The objectives of the program are sought through the following:

1. Selective admission procedures;
2. A curriculum that is interdisciplinary and adaptive to deepening knowledge in a particular subspecialty;
3. Continuous evaluation to ascertain achievement level and potential of the student for further development;
4. Research opportunities and support; and
5. Close faculty-student relationships.

In general, there are two major roles in the fields of art education, art therapy, and arts administration for which advanced graduate students are expected to contribute.

The first role is that of practitioner in which the art professional concentrates on teaching, supervision, or administration. The second role is one in which the task of the art professional to produce historical, philosophical, or scientific theory applicable to art education, art therapy, and art administration.

The doctoral program may lead to either the doctor of philosophy or doctor of education degree. Many of the recipients of the doctoral degree are now teaching on the faculties of colleges and universities throughout the United States as well as internationally, or are administrating arts programs in educational or arts institutions and agencies.

Program of Study

The three major area specialties in which the program is divided anticipate the spectrum of scholarship in this expanding field. The student may choose a concentration from one of the following areas of inquiry: art education, art therapy, or arts administration.

Residencies for the Doctor. For the doctor of philosophy degree (PhD) requirement, it is stated that after earning a master’s degree, the student must be continuously enrolled on the University campus or in one of its teaching centers for a minimum of twenty-four (24) graduate semester hours in any period of twelve (12) consecutive months.

Residencies for the doctor of education degree (EdD) require that after earning a master’s degree, the student must be continuously enrolled on the University’s campus or in one of its teaching centers for a minimum of thirty (30) hours in a period of eighteen (18) consecutive months. The remaining years of study for either the PhD or EdD need not be continuous.

Diagnostic Examination. The applicant must meet University requirements for admission and pass a departmentally administered diagnostic examination.

Research Tool Requirements. The research tool requirement normally consists of sixteen (16) semester hours including a research survey, statistics, and some combination of quantitative and/or qualitative methods tailored to meet the student’s needs. These may include but are not limited to: historical methods; ethnography and other observational strategies; evaluation research; experimental, survey, and correlation research; teaching, learning, and evaluation laboratories or psychological and/or physiological laboratory. The research tool requirement is selected in consultation with the student’s advisory committee and the graduate coordinator.

Three academic years of graduate study beyond the master’s degree are usually required. All requirements for the doctoral degree must be completed within five years from the time the student passes the preliminary examination or a new preliminary examination will be set by the committee.

Definition of Prefix

ARE - Art Education

Graduate Courses

ARE 5046. Theory and Practice I (3). Prerequisite: Admission to the Art Education Teacher Certification Program. Corequisite: ARE 5145. This course includes the theoretical, historical, and psychological underpinnings for the development of curriculum for and the practice of art education in both primary and secondary schools. Observation in pre-practicum experiences.

ARE 5047. Theory and Practice II (3). Prerequisite: ARE 5046, 5145. 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 school is required.

ARE 5145. Human Development and Learning in Art (3). Prerequisite: Admission to the Art Education Teacher Certification Program. Corequisite: ARE 5046. This course provides a theoretical foundation for understanding what children know and learn through artistic inquiry and experience. The course emphasizes practical applications of this knowledge to curriculum development and lesson planning. Observation in the public school is required.

ARE 5147. Curriculum and Assessment in Art (3). Prerequisite: ARE 5045C, 5046, 5047, 5145. Corequisite: ARE 3951. This course reviews educational epistemological and affective forms of knowledge forming the content of the discipline of art. It critically examines various modes of evaluating student performances; provides opportunities for developing lesson plans, visual strategies, and assessment in art education; and relates content to the interpretation of symbols in art. Prerequisite: Permission of instructor.

ARE 5253. Art in Community Service (3). Analysis and theory of community arts services: client characteristics, institutional and welfare contexts, and arts education. Prerequisite: ARE 5258. Museum Education (3). Prerequisite: currently enrolled in a graduate degree program in the participating departments or have a graduate degree in a related discipline. Course is an in-depth investigation of exemplary practices in contemporary museum education. Students will study educational materials produced by exemplary museums, analyze their use, critique current and potential uses of technology in the museum for interactive learning, researching of museum-school partnerships, including outreach and networking processes, and preparation of appropriate educational programming materials.

ARE 5262. Administration of Art Programs (3). An examination of financial management, program planning for art programs at local, state, and national levels.

ARE 5304. Art in Childhood Education (3). A theoretical and practical examination of the development of children’s art; study of significant literature and research in the field; and inquiry into methods and materials.

ARE 5310. Introduction to Counseling for Art Therapists (3). Prerequisite: Permission of instructor. This course examines the uniqueness of artistic expression in therapy. Emphasis is placed on various approaches for varying therapeutic needs. Methods of interactions with clients are explored with emphasis on building rapport, establishing trust, facilitating communication, initiating problem solving, and implementing termination of treatment.

ARE 5395. Classroom Management, Ethics, and School Law in Art Education (3). Prerequisite: ARE 4550C, 5046, 5047, 5145. Corequisite: ARE 5147. This course provides preservice art teachers with considerations and techniques for managing the art classroom and various art materials. Ethical codes of teacher conduct and the laws and policies governing the teaching profession are reviewed. Observation in the public schools is required.

ARE 5458. Computer Graphics in Art Education (3). Prerequisite: Admission to 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 the use of the computer and the use of graphic software and website design for teaching and learning in art.

ARE 5540. Therapeutic Use of Art Materials (3). Prerequisite: Permission of instructor. This course is designed to give students fundamentals of how art materials are used therapeutically in educational, community, and clinical settings. Included in the course is a survey using art materials as a means of growth and discovery.

ARE 5551. Art Therapy and Group Counseling (3). Prerequisite: Permission of instructor. Emphasis is placed on group processes and the unique characteristics that art brings to the group work. Group therapy is examined from a theoretical perspective. Practical application conducting art therapy groups with differing populations is explained.

ARE 5552. Assessments for the Practice of Art Therapy (3). Prerequisite: Permission of instructor. This course emphasizes the use of projective and art-based assessment instruments for the art therapist. Students learn to write reports based on individual assessments and become familiar with medical charting, record keeping, and treatment planning.

ARE 5553. Advanced Theory and Practice in Art Therapy (3). Prerequisite: ARE 5550. A survey of art therapy through examination of its history, literature, populations, and professional opportunities.

ARE 5554. Code of Ethics in Art Therapy (3). Corequisite: ARE 5555. This course explores the visual symbols and metaphors to facilitate communication, problem solving, and verbal interaction skills. The uniqueness of artistic expression in therapy is examined through experiential and theoretical examination of the function of art therapy and practical applications are discussed for various special populations.

ARE 5555. Interpretation of Symbols in Art Therapy (3). Prerequisite: Permission of instructor. Through a therapeutic focus, this course expands the study of the interpretation of symbols through the exploration of psychological frameworks, social context, and etiological and developmental references. The study of defense mechanisms (or coping styles) and ethical issues related to symbolic art expression through interpretation of dreams and the meaning of artwork. The instructional format is varied with lectures, discussions, case studies, and art experiences illuminating theoretical and practical applications of the code of ethics in art therapy.

ARE 5640. Ethics and Professional Issues (3). Prerequisite: Permission of instructor. Course content incorporates the code of ethical responsibility of the American Art Therapy Association. This code addresses the responsibilities, core obligations, qualifications, standards, continuing education, and professional relations in art therapy. Current issues related to the national certification exam and licensure for art therapists are examined. Prerequisite: ARE 5550.

ARE 5641. Critical Analysis (3). Critical appraisal of philosophical, historical, and contemporary trends and issues in art and educational theories.

ARE 5649. Theories of Art Therapy (3). Prerequisite: Permission of instructor. This course introduces the history and theoretical orientation of the field of art therapy. Content is linked to multiple psychological perspectives including psychoanalytic, analytic, cognitive, behavioral approaches. Theory and practice are presented through lectures, demonstrations, case studies, and studio experiences.
ARE 5665. Managing the Arts Organization (3). Consideration of the manager as a leader, individual styles of managing; functions of the manager of the arts and typical problems in the various arts.
ARE 5745. Research Survey (3). Survey of research in teaching, learning, and administration in the arts in formal and informal settings; survey of resources and published studies; proposal and grant writing and evaluation.
ARE 5865. Arts Administration in the Public Sector (3). Arts administration theory based on social context, client services, and comparative studies in the arts: music, visual arts, theatre, dance, literature, and electronic media. Arts support networks and leadership as factors for effective arts administration.
ARE 5906r. Directed Individual Study (1–3). May be repeated to a maximum of nine (9) semester hours.
ARE 5910r. Supervised Research (1–5), (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s or doctoral degree.
ARE 5930r. Special Topics in Art Education (1–3). Topics in art education, arts administration, and art therapy will vary from term to term. May be repeated to a maximum of fifteen (15) semester hours. May be repeated in the same semester.
ARE 5934r. Special Topics: Art Therapy Issues (3). Prerequisite: Permission of instructor. The content of this course varies to offer intensive study regarding specific topics relevant to the practice of art therapy. These topics may include but are not limited to: treating sexual abuse, confronting substance abuse, coping with loss, utilizing family systems, and addressing multicultural issues. Please check with the Department of Art Education office for current topic(s). May be repeated to a maximum of six (6) semester hours.
ARE 5935r. Seminar: Current and Comparative Studies in Art Education (3). Exploration of current issues in art education: 1) theory, research, and practice in the field, 2) teaching comprehensive art education. May be repeated to a maximum of fifteen (15) semester hours. May be repeated in the same semester.
ARE 5940. Supervised Teaching (3), (S/U grade only.)
ARE 5940L. Field Studies (1–3). (S/U grade only.) Prerequisite: Permission of instructor. This course introduces practicum experiences in school, community, or clinical setting. These work experiences are supervised by on-site personnel (i.e. art therapists, special educators, psychologists, counselors) and by university faculty with ATR-BC credentials. Supervision, equivalent to ten hours for every one hundred hours of field work, is integral to this practicum. Supervision sessions include discussion of assessment and implementation of client programs and progress, directed readings relevant to site participation, and professional development of the student art therapist.
ARE 5941. Practicum I (2), (S/U grade only). Prerequisite: Permission of instructor. Practicum experiences in school, community, or clinical setting comprise the content of this course. These work experiences are supervised by on-site personnel (i.e. art therapists, special educators, psychologists, counselors) and by university faculty with ATR-BC credentials. Supervision, equivalent to ten (10) hours for every 100 hours of field work, is integral to this practicum. Supervision sessions include discussion of assessment and implementation of client programs and progress, directed readings relevant to site participation, and professional development of the student art therapist.
ARE 5942. Practicum II (3). Prerequisite: Permission of instructor. Please refer to ARE 5941 above for course description.
ARE 5943. Practicum III (3). Prerequisite: Permission of instructor. Please refer to ARE 5941 above for course description.
ARE 5944r. Field Laboratory Internship (1–9), (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.
ARE 5950. Portfolio in Art Education (3). Prerequisites: ARE 4550C, 5046, 5047, 5145, 5147, 5395; Corequisite: ARE 5940. 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.
ARE 5971r. Master’s Thesis (3–6), (S/U grade only.) Minimum of six (6) semester hours required.
ARE 5972r. Specialist Thesis (3–6), (S/U grade only.) Minimum of six (6) semester hours required.
ARE 6380. Doctoral Seminar (3). The teaching-learning process in art education.
ARE 6905r. Directed Individual Study (1–3). May be repeated to a maximum of six (6) semester hours.
ARE 6937r. Doctoral Seminar (3). Foundations of art education. Structure and communication in art education. May be repeated to a maximum of six (6) semester hours.
ARE 8960r. Dissertation (1–12), (S/U grade only.)
ARE 8962r. Specialist Comprehensive Examination (0). (P/F grade only.)
ARE 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)
ARE 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)
ARE 8976r. Master’s Thesis Defense (0). (P/F grade only.)
ARE 8977r. Specialist Thesis Defense (0). (P/F grade only.)
ARE 8985r. Dissertation Defense (0). (P/F grade only.)

ART HISTORY
see also Asian Studies; Classical Languages, Literature, and Civilization
Department of ART HISTORY

SCHOOL OF VISUAL ARTS AND DANCE

Chair: Paula Gerson; Professors: Gerson, Hahn, Neuman; Associate Professors: Bearor, Freiberg, Weingarden; Assistant Professors: Bloom, Flores, Jolles, Lee; Curator: Hudson; Professors Emeriti: Bosch (deceased), Bucher (deceased), de Grummond (deceased), Rose, Teilhet-Fisk (deceased); Courtesy Professors: de Grummond, Nasgaard, Palladino-Craig, Pfaff, Pullen, Stone

The Department of Art History offers programs leading to the master of arts and the doctor of philosophy in the history and criticism of art. The programs fulfill the requirements for professional career either in academic art history or in one of the related professions, including work in museums, commercial galleries, or in publishing. To provide the greatest flexibility in serving the students’ career goals, there are four possible programs (for the specific requirements, see below).

The faculty includes specialists in East Asian, South Asian, and Southeast Asian art; Early Medieval art, Romanesque and Gothic art; Italian and Northern European painting, sculpture, and architecture; Baroque and 18th-century art and architecture, modern architecture, 20th-century art and criticism; American art, contemporary critical theory, history of photography, African art, Oceanic art, and Native American art. Members of the classics faculty trained in archaeology and art history offer graduate-level courses in Aegean, Greek, Etruscan, Roman, and Egyptian art.

The Department of Art History is supported by a rich array of resources, including three classrooms equipped for multimedia presentations and a visual resource center under the direction of two full-time curators. The resource center houses a collection of over 350,000 slides, digital images, videos and pedagogical CDs, and maintains image-based websites related to each art history course. The University library holdings are extensive and include a rare book and 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, the Tallahassee City Museum. The University administers the Ringling Museum in Sarasota, with its internationally known collection of European art. Internships are available at each of the Florida State University’s museums.

Students have the opportunity to pursue independent research at The Florida State University Study Centers in Florence, London, and Paris. The Florence program is used extensively by students of the history of art for the study of the Italian language and arts and for archival work. A member of the art history department’s faculty is assigned to the Florence Study Center, and in addition to teaching, serves as a supervisor for graduate students. The London Study Center offers opportunities for teaching assistantships and for internships at major London museums. The Paris program, in the process of development, offers faculty and art history classes. Archaeological experience is available at the Etruscan and Roman sites of Cetamura del Chianti and Poggio delle Civitelle at San Venanzio, the University’s field school excavations in Italy.

The department sponsors an annual Symposium in the History of Art for graduate students attending universities in the Southeast. Students are chosen to present papers during a two-day series of meetings, and these papers may be submitted for publication in Athanor, a journal for graduate students in art history to be determined by the art history department and the School of Visual Arts and Dance. Each year a distinguished art historian is invited to participate in the symposium and to deliver the keynote address.

Financial Assistance. The department offers teaching fellowships for doctoral students and stipends for MA students. Department, college, and university assistantships are available as well, and are based on past record and future potential in the arts professions. Mason Travel Funds and Mason Research and Writing Grants are available at both the MA and doctoral levels. Students also may qualify for federal and state financial aid programs.

Programs

Two types of master’s degree are offered, one that requires a written thesis and the other that provides additional exposure to the field through coursework. The selection is made in consultation with the graduate adviser, and with the advice of those professors in the student’s major field. Applicants who already hold a MA degree in art history may apply for admission to the PhD program.

The department also offers the possibility of a combined MA and PhD degree. The student may express interest in this degree program, and admission is by invitation of the faculty.

Master of Arts in the History and Criticism of Art

This degree is designed for students who seek to develop research and writing skills that will be useful in a professional career in one of the major areas of study. It consists of the following:

1. Select one course from three different areas, for a total of three courses:
   • Ancient and Classical (including Aegean and Egyptian);
   • Medieval (early Christian, Byzantine, Romanesque, and Gothic);
   • Renaissance and Baroque (Southern and Northern European);
   • Modern (19th and 20th centuries, American and European)

2. One course in methods of art history (ARH 5795)

3. One course in non-Western art (Japanese, Chinese, Indian, African, Oceanic, Native American art)

4. Three courses in the student’s major field

5. Either six (6) semester hours of supervised research for the thesis, or nine (9) semester hours in art history (see below).

Master of Arts: Thesis

Minimum thirty-three (33) semester hours. For students who intend to continue their studies at the doctoral level, and perhaps go on to university teaching, the department recommends the thesis option. The thesis should demonstrate proficiency in research, writing, and argumentation and must be passed by a committee consisting of three faculty members. Six (6) semester hours are awarded for thesis work.

Master of Arts: Course Intensive

Minimum thirty-six (36) semester hours. This option is best suited for students who are interested in pursuing careers in the field which do not require the PhD. In this case, the student will complete the requirements as outlined above, but in place of the six (6) semester hours required for the thesis, an additional nine (9) semester hours (three courses) in art history will be necessary.

Doctor of Philosophy in the History and Criticism of Art

The doctor of philosophy program in the history and criticism of art is suitable for the student who has already completed the master of arts degree in art history and who wishes to pursue a career either in university teaching or in a museum at the highest professional level. It consists of a minimum of thirty-six (36) semester hours of course work beyond the master’s degree plus twenty-four (24) semester hours of supervised dissertation research (sixty [60] semester hours).

1. One course in methods of art history (ARH 5795); 2. Five courses in a major area of study; 3. Three courses in a minor area; 4. Three electives to be selected in consultation with the student’s major professor and the graduate advisor. These might be taken in other areas of art history or in other disciplines (courses must be approved by the graduate advisor and are dependent on the major and minor areas of study.)

In addition to the above course work, the candidate also must complete the following requirements:

5. Twenty-four (24) semester hours of supervised dissertation research; and 6. Demonstration of reading knowledge in French and German (language requirements for students with a specialization in non-Western art may differ.) Depending upon area of specialization, additional languages may be required;

7. A minimum of one semester of residence in The Florida State University Study Center, either in Florence or London (this requirement may be waived when a student has a similar opportunity to pursue original research in a different cultural setting);

8. Satisfactory completion of a doctoral examination concerning material in the major and minor fields; and

9. Satisfactory defense of a dissertation that makes an original contribution to scholarship.
It should be noted that the University requires that doctoral students take twenty-four (24) semester hours of course work while in residence during one 12-month period.

**Combined Program Leading to a Doctor of Philosophy in the History and Criticism of Art**

This degree provides for students who hold a bachelor’s degree in art history (or a sufficient number of courses in the field) the opportunity to move through the master of arts and into doctoral level study at an accelerated pace. Those who hold the bachelor’s degree and wish to pursue doctoral-level work in the department first should apply for admission to the master’s program. Students may indicate their preference for the combined program to the graduate advisor. Acceptance will be by invitation of the faculty, and will occur between the student’s second and fourth semester of master’s-level work. After nomination by the major professor, the entire faculty will vote on admittance. Under the requirements of the combined program, the master’s thesis will be replaced by a “qualifying paper,” which will demonstrate the student’s capacity to do independent research, write an argumentation. For requirements, see numbers 1–6 under sub-section ‘Master of Arts in the History and Criticism of Art’ above; a minimum of sixty (60) semester hours of course work, plus twenty-four (24) semester hours of supervised dissertation research (eight to four [84] semester hours).

**Certificate in Museum Studies**

Graduate students in art history may earn a Certificate in Museum Studies in addition to their MA or PhD degree. The museum studies program is interdisciplinary and prepares students for professional work in museums and related institutions. In addition to fulfilling the requirements for the graduate degree, students complete two (2) core courses, two (2) electives, a six (6) semester hour internship, and a certifi cate. The program strongly encourages to participate in regularly scheduled museum career activities.

**Definition of Prefix**

AIR — Art History

**Graduate Courses**

**AIR 5111.** Art and Archaeology of the Bronze Age in the Aegean (3). A detailed study of the major archeological evidence related to the Bronze Age in Crete and Greece; the major sites, monuments, and artistic works studied and analyzed.

**AIR 5119.** Archaeology in Ancient Egypt (3). A survey of the archaeological art of art of ancient Egypt from the predynastic to the Roman periods. Emphasis is placed upon the art, architecture, and culture of the Old and New Kingdoms.

**AIR 5125.** Etruscan Art and Archaeology (3). Critical study and appraisal of Etruscan monuments and artistic works; major archaeological evidence for Etruscan culture.

**AIR 5140.** Greek Art and Archaeology of the Fifth and Fourth Centuries B.C. (3). A careful study of the monuments of classical Greece and its artistic productions; study of archaeological evidence and accomplishments of classical Greek art.

**AIR 5160.** Art and Archaeology of the Early Roman Empire (3). The archaeological evidence and artistic production of Rome from Augustus through the Antonines studied carefully with a view toward evaluating the periods accomplishments.

**AIR 5170.** Studies in Classical Art and Archaeology (3). Specific studies in aspects of classical art and archaeology.

**AIR 5200.** Early Christian and Byzantine Art (3). Begins with the first manifestations of Christian art and covers audiences, patrons, and problems of the representation of religious themes. Art. The mosaics of Ravenna and Sicily, sacred spaces of martyria and churches, icons of Rome and Constantinople, and late and luxurious court art of Byzantium.

**AIR 5220.** Medieval Art (3). Course considers the development of the uses of art in the European Middle Ages, from the courtly and religious aspects to the classical tradition, to the first mature pan-European art of Romanesque architecture and sculpture. Topics of special interest include the political and religious use of art, the interaction among the arts.

**AIR 5240.** Later Medieval Art (3). Generally called Gothic art, this course explores the cathedrals (including their sculpture and glass) of 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.

**AIR 5251.** Early Italian Renaissance Art: 15th Century (3). An examination of how social and historical influences affected the arts during the great flowering of the Renaissance in Florence, Rome, and Venice. Discussion of the Renaissance as the rebirth of classical art and of the vitality of local traditions, and the interaction among the arts all contributed to the creation of the new Renaissance vocabulary.

**AIR 5253.** 16th Century (3). Course examines works by the great masters of the Renaissance, including Leonardo da Vinci, Michelangelo, and Titian. Themes of the period are religious and secular reality 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.

**AIR 5340.** Northern European Renaissance Architecture (3). Developments in northern European fifteenth and sixteenth century art with emphasis on painting and printmaking: Flemish, French, German, and Dutch artists.

**AIR 5360.** Southern Baroque Art (3). Course investigates the development of the Baroque style in Italy and Spain during the 17th century, stressing the theatrical, ecstatic, and virtuoso character of works produced for royalty. The Church and the middle class by such masters as Caravaggio, Bernini, and Velázquez.

**AIR 5361.** Northern Baroque Art (3). Course examines the Golden Age of painting, sculpture, and architecture in France, England, and the Netherlands. Discusses 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.

**AIR 5363.** 18th-Century Art (3). A study of painting, sculpture, and architecture in the 18th century, with emphasis on the Enlightenment, with emphasis on the luxurious, sensual art of the Rococo, the rational classicism of the Palladian Revival, the revolution in monumental and decorative image of women, and the rise of the decorative arts.

**AIR 5420.** Modern European Art: Neoclassicism and Romanticism (3). Course examines 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 Neoclassicism; British landscape painting; Delacroix and French Romanticism; Courbet’s Realism and Manet’s Naturalism; and French Impressionism.

**AIR 5445.** Modern European Art: Postimpressionism through Surrealism (3). Course covers the development of art from 1880–1940. Topics of discussion include abstraction, symbolism, surrealism, as well as the relationship between the techniques of art and the transformation of philosophical, social, and political events. The writing of artists and critics provide the basis for this inquiry.

**AIR 5527.** West African Art and the Diaspora: Brazil, Haiti, the United States and Suriname (3). Course is intended to give students with an appreciation for and an new subjects to identify and discuss the arts of 18th, 19th and 20th century West African societies. It will also examine the impact of those arts on the indigenous and diaspora cultures, by giving students a framework for understanding how these arts work within social and cultural contexts.

**AIR 5556.** Modern Art in Africa (3). Introduction to the arts and culture of Japan, focusing on key monuments and artistic works produced by artists within specific social and cultural contexts.

**AIR 5572.** Art and Archaeology of the Southwest (3). Arts and architecture of the Native American peoples of the Southwest and ancient pueblos. This course includes Tongva, Western Samoa, American Samoa, Marquesas, Society, Cook, Austral and Hawaiian Islands, New Zealand, and Easter Islands.

**AIR 5605.** Native American Arts and Architecture of the Southwest (3). Arts and architecture of the Native American peoples of the Southwest and ancient pueblos. This course includes Tongva, Western Samoa, American Samoa, Marquesas, Society, Cook, Austral and Hawaiian Islands, New Zealand, and Easter Islands.

**AIR 5648.** Art after 1940 (3). 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.

**AIR 5656.** Art of the Southwest (3). This course is an introduction to American folk arts from the 17th, 18th, and early 19th centuries. Course is designed to provide knowledge and awareness of how folk art worked within the social and cultural context of the time. It will also discuss the different ways folk arts have been defined, collected, utilized, and collected by the art world at large.

**AIR 5725.** History of Graphics (3). A survey of artists and processes in western printmaking from woodcut to silk screen.

**AIR 5797.** Seminar in Museum Studies (3). Theoretical and practical approaches to museum practice and the historical development of the art museum in America.

**AIR 5806r.** Seminar in the History and Criticism of Museum Studies (3). May be repeated to a maximum of nine (9) semester hours.

**AIR 5813.** Seminar in the Methods of Art History (3). Seminar in methodology required of art history graduate students.

**AIR 5838.** The Museum Object (3). Prerequisite: Current enrollment or enrollment in a graduate degree program in a department participating in the Museum Studies Certificate program, or have a graduate degree in a related discipline. Course covers the philosophy and practice of acquiring the museum object; the processing of the object in an institutional setting; research methods and interpretation; philosophy in methods of presentating the object; and various forms of publications and dissemination.

**AIR 5875.** 20th-Century Feminist Art Criticism (3). Graduate standing in art history, or permission of instructor. This course analyzes the questions raised by feminist art critics and art critics in the U.S. since 1970 and their role in the development of contemporary feminist art. Topics include: female institutions as liberal, radical, cultural, materialist, or post-strucuralist feminism.

**AIR 5881.** Introduction to Appraising Personal Property (4). This course is a basic introduction to appraising personal property. It covers all aspects of proper appraisal technique and methodology for fine art; painting, drawing, sculpture, prints, ceramics, silver, glass, jewelry, books, etc. This course follows the proper requirements of USPAP and the IRS.

**AIR 5886.** Uniform Standards for Professional Appraisal Practice (USPAP) (4). This course follows the US Government Uniform Standards for Professional Appraisal Practice as it applies to the Fine Arts.

**AIR 5907r.** Directed Individual Study (1–5). May be repeated to a maximum of five (5) semester hours. A maximum of thirty (30) semester hours may apply to a master’s degree.

**AIR 5913r.** Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of thirty (30) semester hours may apply to a master’s degree.

**AIR 5940r.** Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of thirty (30) semester hours may apply to a master’s degree.

**AIR 5971r.** Internship in Museum Studies (1–6). This course is an internship in a collaborative museum to provide students with firsthand knowledge of, and practical experience in museum work. May be repeated to a maximum of nine (9) semester hours.

**AIR 6292r.** Topics in Medieval Art: Seminar (3). Advanced seminar on specific topic within the area of Medieval art. Specific topics vary. May be repeated to a maximum of nine (9) semester hours.
Program in
ASIAN STUDIES

COLLEGE OF SOCIAL SCIENCES

Director: Burton M. Atkins (Political Science);
Professors: Bowman (Public Administration and Policy), Flanagan (Political Science),
Kelsay (Religion), Olsen (Music), Singh (History);
Associate Professors: Bakan (Music), Erml (Religion), Garrettson (History), Ho (Anthropology), Kim (Political Science);
Assistant Professors: Cuevas (Religion), Grant (History), Lan (Modern Languages and Linguistics), Lee (Art History), Sears (Art History), Yasuhara (Modern Languages);
Visiting Professor: Koo (Economics);
Visiting Associate Professor: Lopez (Religion);
Visiting Assistant: Schlenoff (Modern Languages)

Asian Studies is an interdisciplinary program leading to the master of arts degree (MA). The program is designed to give students a well-rounded understanding of Asian culture. Courses are offered in the areas of political science, economics, sociology, public administration, history, anthropology, humanities, language, literature, religion, art history, and music. Many students in the program anticipate careers in government, business, international organizations, journalism, or teaching. Other students use the program as a stepping stone into more specialized doctoral programs, by developing a language and area competence and through exposure to graduate course work prior to entering a Ph.D program in one of the disciplines represented by the participating Asian Studies faculty.

Requirements

A candidate is admitted to the program by meeting the general requirements for graduate study. All applicants must take the verbal and quantitative portions of the Graduate Record Examinations (GRE) prior to admission to the program. With the advice and consent of the director and the participating faculty, the student selects a three-person committee from among the listed Asian studies faculty to supervise the student’s degree program. The committee members must be drawn from at least two different disciplines.

The student may choose either a thirty-three (33) semester hour course work program or a thirty (30) semester hour course and thesis program. Students selecting the first option will undergo comprehensive examinations on the course work taken for the degree during their last semester in the program. The student’s supervisory committee will administer the exam. Students selecting the thesis option will designate one of their committee members to serve as their major professor at least two semesters prior to completing their degree program. Students will then work closely with this major professor throughout the stages of outlining, researching and writing their theses, and six (6) of their required thirty (30) semester hours are to be taken as thesis hours. In lieu of a comprehensive written examination, students selecting this option will be examined by an oral defense of their thesis before their supervising committee.

Students may select courses broadly from the listing of course work below, so long as they take a minimum of eight (8) semester hours in history and six (6) semester hours each from the social science and arts and humanities tracks. Students however, are encouraged to concentrate their course work as much as possible to develop a particular country and language competence. Moreover, while it is required to take course work from both the social science and the arts and humanities tracks, students should select one of these two broad areas for greater concentration, generally around one or several related disciplines. Up to eight (8) semester hours in the thirty-three (33) semester hour program or six (6) in the thirty (30) semester hour program may be 4000 level courses, if no 5000 level equivalent is offered by that department or school.

Language. All students must satisfy the foreign language requirement for the master of arts degree by demonstrating a reading proficiency in Chinese, Japanese, Arabic, or some other approved Asian language through either: 1) the completion of twelve (12) semester hours of college level course work in the chosen Asian language with an average grade of at least 3.0 (“B”); 2) satisfactory performance on the Graduate School Foreign Language Tests of the Educational Testing Service; or 3) passage of a reading comprehension test administered by the Department of Modern Languages and Linguistics at The Florida State University. Students, however, are encouraged to go much further in their language training to gain an effective competency in their chosen area language. Up to nine (9) semester hours of language study beyond the initial twelve (12) semester hours can be counted towards the degree requirement when taken under the appropriate 4000 and 5000 level course numberings.

Note: descriptions of individual courses can be found under the departmental listings.

Asian History

Minimum of eight (8) semester hours

**ASH 5226 Modern Middle East (4)**
**ASH 5266 Central Asia Since the Mongols (4)**
**ASH 5406 China to 1898 (4)**
**ASH 5408 China Since 1898 (4)**
**ASH 5447 History of Modern Japan (4)**
**ASH 5529 Traditional India (4)**

**ASH 6976r. Master’s Thesis Defense (0).** (P/F grade only.)
**ASH 8985r. Dissertation Defense (0).** (P/F grade only.)

ASIAN HISTORY

see Asian Studies; Classical Languages, Literature, and Civilization; History-Asian History

Social Science Track

Minimum of six (6) semester hours

**CPO 5036** Politics of Developing Areas (3)
**CPO 5091** Core Seminar in Comparative Government and Politics (3)
**CPO 5407** Seminar in Comparative Government and Politics: The Middle East (3)
**CPO 5557** Seminar in Comparative Government and Politics: Japan (3)
**CPO 5740** Comparative Political Economy (3)
**ECO 5905** Economic Principles for International Affairs (3)
**ECO 5705** International Trade (3)
**ECO 5715** International Finance (3)
**ECO 5936r** Special Topics [The Chinese Economy] (1–3)
**ECS 5015** Economic Development: Theory and Problems (3)
**GEA 5195** Advanced Area Studies (3)
**GEO 5358** Environmental Conflict and Economic Development (3)
**GEO 5465** Historical Geography (3)
**GEO 5472** Political Geography (3)
**GEO 5555** World Systems Theory (3)
**INR 5014** Contexts and International Relations (3)
**INR 5036** International Political Economy (3)
**INR 5037** Development, Dependence, and Inequality (3)
**INR 5088** International Conflict (3)
**INR 5275** Middle East Foreign Policy (3)
**INR 5315** Foreign Policy Analysis (3)
**INR 5938** Joint Seminar in International Affairs (3)
**SYA 6938r** Selected Topics in Social Institutions, Social Organizations and Social Policy [Japanese Society] (3)
**SYP 5105** Theories of Social Psychology (3)
**SYP 5305** Collective Behavior and Social Movements (3)

Arts and Humanities Track

Minimum of six (6) semester hours

**ANG 5255** Peasant Societies (3)
**ANG 5491** Seminar in Social Anthropology [Peoples and Cultures of Southeast Asia] (3)
**ANG 5491** Seminar in Social Anthropology [Japanese Society and Culture] (3)
**ANG 5491** Seminar in Social Anthropology [Chinese Society and Culture] (3)
**ARH 5556** Arts of Japan (3)
**ARH 5588** Arts of China (3)
**ARH 6592r** Topics in Eastern Art: Seminar (3)
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): Elam; Professors: Abele, Bates, Elam, Ellington, Fajer, Freeman, Gaffney, Herrkind, Meredith, Moerland, Outlaw, Quadagno, Roberts, Roux, Swoford, Taylor, Travis, Tschinkel; Associate Professors: Chase, Epstein, Houle, Houpt, L. Keller, T. Keller, King, P. Miller, Reeves, Ronquist, Trombley, Winn; Assistant Professors: Bass, Beeri, Deng, Erickson, D. Fadool, J. Fadool, Hansen, Inouye, Mast, Steph, Underwood, Wufl; Professors Emeriti: Anderson, Caspar, DeBusk, deKloet, Easton, Elliott, Friedmann, Heard, Hofer, Homann, James, Livingston, Mariscal, Roeder, Short

The program of graduate study in the Department of Biological Science is designed to transform an individual from student to professional scholar. Awarding of the degree signifies that the individual is qualified to join the community of scholars and is recognized as an authority in the discipline. Our graduates are employed as faculty in colleges and universities or as researchers in industry or government laboratories.

The Department of Biological Science offers graduate programs leading to the degree of master of science or doctor of philosophy. There are strong graduate research programs in both systematic and experimental biology. Special research programs are available in biophysics and molecular biology; cell biology; biochemical and molecular genetics; evolution; developmental biology; microbiology; immunology; plant and animal physiology; comparative physiology; reproductive physiology, endocrinology, and neuroendocrinology; sensory physiology; plant and animal morphology; avian and mammalian paleobiology; vertebrate paleontology; behavioral biology; population biology; marine biology; plant systematics and taxonomy; tropical biology; ecology and environmental biology. In addition, many of the departmental programs are associated with research and graduate programs of the departments of Oceanography, Chemistry and Biochemistry, and Psychology, as well as with specific advanced-study programs of the Institute of Molecular Biophysics. The program in neuroscience provides interdisciplinary training in the use of biological and behavioral methods in the study of the nervous system function.

Graduate Courses

Fully equipped research laboratories and classrooms for biological science are located in five buildings on the Tallahassee campus (Conradi, Biological Science 1, Biomedical Research Building and Molecular Biophysics) and at The Florida State University Marine Laboratory, 45 miles south of Tallahassee. A modern imaging center includes both state-of-the-art light and electron microscopes. Students have access to molecular biology facilities, including a DNA microarrayer, special culture facilities, a hybridoma laboratory, greenhouses, machine and electronics shops, animal quarters, ultracentrifuges, cold laboratories, analyzer laboratories, sterile laboratories, shielded electrophysiological laboratories, an isotope laboratory, photographic laboratories, and spectrophotometric instrumentation, as well as the National High Magnetic Field Laboratory and a supercomputer. Hebarium facilities contain about 175,000 specimens. Vans, cars, and boats are provided for field research. The Department of Biological Science is a comprehensive basic science department consisting of faculty members. The current faculty members hold contracts and grants totaling millions of dollars. The faculty is represented on the editorial boards of numerous professional journals and hold a number of national offices in professional societies. One member of the faculty has been elected to the National Academy of Sciences, and many others serve on governmental task forces and national advisory boards of research institutions and public and private foundations.

Admission Requirements

Fully equipped research laboratories and classrooms for biological science are located in five buildings on the Tallahassee campus (Conradi, Biological Science 1, Biomedical Research Building and Molecular Biophysics) and at The Florida State University Marine Laboratory, 45 miles south of Tallahassee. A modern imaging center includes both state-of-the-art light and electron microscopes. Students have access to molecular biology facilities, including a DNA microarrayer, special culture facilities, a hybridoma laboratory, greenhouses, machine and electronics shops, animal quarters, ultracentrifuges, cold laboratories, analyzer laboratories, sterile laboratories, shielded electrophysiological laboratories, an isotope laboratory, photographic laboratories, and spectrophotometric instrumentation, as well as the National High Magnetic Field Laboratory and a supercomputer. Hebarium facilities contain about 175,000 specimens. Vans, cars, and boats are provided for field research. The Department of Biological Science is a comprehensive basic science department consisting of faculty members. The current faculty members hold contracts and grants totaling millions of dollars. The faculty is represented on the editorial boards of numerous professional journals and hold a number of national offices in professional societies. One member of the faculty has been elected to the National Academy of Sciences, and many others serve on governmental task forces and national advisory boards of research institutions and public and private foundations.

Admission Requirements

Application for admission is to be made directly to the Office of Admissions. Application for financial aid should be made directly to the associate chair for graduate studies in the Department of Biological Science and must be submitted with all supporting documents by January 15 for the fall semester. All applicants will meet the minimum criteria of a 3.0 undergraduate grade point average (GPA) for the last two years, an 1100 on the Graduate Record Examination (GRE), with a minimum score of 500 on both the verbal and quantitative sections, three current letters of recommendation from individuals who are able to assess the applicant’s academic and research potential, 250 word statement on research interest, and official transcripts. Foreign students, in addition to the above, must also score a minimum of 600 on the paper-based or 250 on the computer-based Test of English as a Foreign Language (TOEFL). Applicants are required to advise the associate chair of their area(s) of interest so that applications can be circulated to the appropriate faculty members. Students are encouraged to contact individual faculty about the details of their research activities.

Financial Aid

Graduate assistantships (teaching, research, and/or service) are available at approximately $16,726 per calendar year; up to 20 hours per week are required for instruction and related duties. Research assistantships involve working on the research program of an individual faculty member with whom the applicant should correspond directly. Matriculation and out-of-state tuition waivers are available, subject to availability of funds, for graduate assistants who hold a minimum appointment of a quarter time.

Degree Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Master’s Degree

The master’s degree requirements should be met in two to three years. The master of science (MS) degree requirements include the following:

1. At least thirty (30) semester hours of graduate credit (5000 level and above courses and those 4000 level courses recommended by the student’s committee, including a minimum of six [6] semester hours of the thesis credit), eighteen (18) semester hours of which must bear letter grades (not “S” or “U”);
2. Teaching requirement: Teaching experience in at least one course recommended by the supervisory committee and approved by the associate chair;
3. Seminar requirement: One departmental presentation, excluding the formal presentation of the thesis research. MS students are encouraged to give presentations at national and/or regional meetings. For further details, contact the department;
4. Submission of a master’s prospectus, and approval by the major professor, supervisory committee, and associate chair;
5. Submission of an acceptable thesis; and

**Doctoral Degree**

The direction and supervision of graduate work at the doctoral level resides primarily with the major professor and supervisory committee. The University requires that the degree be completed within five calendar years from the time the student gains admittance to candidacy by passing the preliminary exam.

Overall requirements for the doctor of philosophy (PhD) degree areas follows:

1. After admission to doctoral candidacy, a minimum of twenty-four (24) semester hours of dissertation credit is required;
2. Teaching requirement: teaching experience in at least two different courses recommended by the supervisory committee and approved by the associate chair;
3. Seminar requirement: three presentations, excluding the dissertation defense. Students are encouraged to give presentations at national and/or regional meetings. For further details, contact the department;
4. Submission and approval of a doctoral proposal by major professor, supervisory committee, and associate chair;
5. Successful completion of the preliminary doctoral examination;
6. Submission of an acceptable dissertation; and
7. Successful defense of the dissertation.

For additional information, see [http://www.bio.fsu.edu/index-grad.htm](http://www.bio.fsu.edu/index-grad.htm).

**Interdisciplinary Program in Neuroscience**

**Director:** Robert J. Contreras

The program in neuroscience provides interdisciplinary training leading to the degree of doctor of philosophy in neuroscience. Participating faculty hold appointments in the Departments of Biological Science, Psychology, Nutrition, Food and Exercise Sciences, or Biomedical Sciences. Students may hold a B.S. degree from the department of their initial faculty advisor/major professor but may take neuroscience courses offered by two or more of the participating departments. Several of the biological science faculty are members of the neuroscience program, with doctoral directive status for the neuroscience PhD (in addition to DDS for the biological science PhD).

Neuroscience courses offered through the Department of Biological Science include those with a PSB or PCB prefix. Interdisciplinary research training is available involving molecular, cellular, physiological and behavioral mechanisms in sensory biology (with special emphasis on chemical, auditory, visual and pain senses), synaptic physiology, learning and memory, neuroendocrinology/hormone regulation, neural development and plasticity, neural control of food intake, neural control of reproductive behavior, circadian rhythms, cardiovascular regulation and the genetics of behavior. The program has two NIH funded training grants, in addition to other mechanisms for student support, and provides numerous colloquia, symposia, and special courses in areas of particularly active or rapidly developing research. Out-of-state and matriculation waivers for neuroscience students in biological science are available on the same basis as for the rest of the department. For more information, see the separate entry for neuroscience in this catalog and the program in neuroscience website at [http://www.neuro.fsu.edu](http://www.neuro.fsu.edu).

**Definition of Prefixes**

BCH — Biochemistry (Biophysics)

BOT — Botany

BSC — Biological Science

MCB — Microbiology

PCB — Process Biology

PSB — Psychobiology

ZOO — Zoology

**Advanced Undergraduate Courses**

Please refer to the General Bulletin for full course descriptions.

- BOT 4373C. Biology of Higher Plants (4).
- BOT 4394. Plant Molecular Biology (3).
- BOT 4503. Plant Physiology (3).
- BOT 4503L. Plant Physiology Laboratory (1).
- BSC 4514. Aquatic Pollution Biology (3).
- BSC 4613. Systematics (3).
- BSC 4833C. Radiation Biology (3).
- MCB 4403. Prokaryotic Biology (3).
- MCB 4403L. Prokaryotic Biology Laboratory (2).
- MCB 4603. Environmental Microbiology (3).
- PCB 4024L. Molecular Biology Laboratory (1).
- PCB 4233. Immunology (3).
- PCB 4233L. Laboratory in Immunology (1).
- PCB 4253. Animal Development (3).
- PCB 4253L. Animal Development Laboratory (1).
- PCB 4514. Advanced Genetics and Molecular Biology (3).
- PCB 4674. Evolution (3).
- PCB 4723. General and Comparative Animal Physiology (3).
- PCB 4731L. Experimental Physiology (2).
- PCB 4843. Fundamentals of Neuroscience (3).
- ZOO 4204C. Biology of Higher Marine Invertebrates (5).
- ZOO 4222. Parasitology (3).
- ZOO 4232L. Parasitology Lab (2).
- ZOO 4343C. Biology of the Lower Vertebrates (4).
- ZOO 4753C. Histology (4).
- ZOO 4823. Insect Biology (3).
- ZOO 4823L. Insect Diversity of North Florida (2).

**Graduate Courses**

**Biochemistry**

BCH 5886r. Special Topics in Biochemistry and Cell Biology (1–3). Prerequisite: Introductory biochemistry courses. May be repeated up to a maximum of four times or to a maximum of twelve (12) semester hours.

BCH 5887r. Special Topics in Biochemistry and Cell Biology (1–3). Prerequisite: Introductory biochemistry courses. May be repeated up to a maximum of four times or to a maximum of twelve (12) semester hours.

**Botany**

BOT 5936r. Selected Topics in Botany (1–4). May be repeated to a maximum of sixteen (16) semester hours.

**Biological Science**

BSC 5409. Biophysical Principles of Biological Techniques (3). This course analyzes physical principles behind modern laboratory methods used in biological research.

BSC 5432r. Directed Individual Study (1–2). (S/U grade only.) May be repeated to a maximum of fifty (50) semester hours.

BSC 5932r. Graduate Tutorial in Biological Science (1). (S/U grade only.) Prerequisite: Graduate standing. Selected topics in contemporary biological science; reading and analysis of primary literature. May be repeated to a total of fifteen (15) semester hours.

BSC 5936r. Selected Topics in Biological Science (1–4). May be repeated to a maximum of sixteen (16) semester hours.

BSC 5945r. Supervised Teaching (1–2). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

BSC 5971r. Thesis (1–6). (S/U grade only.) After a graduate student meets minimum requirements and is working on thesis research, registration for Thesis is required. A minimum of six (6) semester hours of credit must be earned.

BSC 6906r. Dissertation (1–12). (S/U grade only.) Prerequisite: Passage of preliminary examinations (BSC 8964r). Must register for dissertation research hours while working on dissertation. A minimum of twenty-four (24) semester hours of credit must be earned.

BSC 8964r. Preliminary Doctoral Examination (0). (P/F grade only.) A comprehensive examination with a master’s degree should take it during the second semester in residence; those without a master’s degree should take it during the fourth semester in residence. Passing exam required for admission to doctoral candidacy.

BSC 8976r. Master’s Thesis Defense (0). (P/F grade only.) Oral defense of master’s research and thesis. Students should register during the term in which they intend to defend their master’s thesis.

BSC 8985r. Dissertation Defense (0). (P/F grade only.) Oral defense of dissertation research. One-time registration during the term in which student expects to defend.

**Microbiology**

MCB 5408. Prokaryotic Biology (3). Prerequisite: PCB 3063 or permission of instructor. This course introduces graduate level general microbiology, including material on procaryotic cell structure and function, the molecular biology and genetics of microorganisms including viruses, and biotechnological applications of microbial physiology.


MCB 5556r. Selected Topics in Microbiology (1–4). May be repeated to a maximum of sixteen (16) semester hours.

MCB 6926r. Seminar in Microbiology (2). (S/U grade only.) To explore and investigate in detail a selected theme in microbiology, and to develop an appreciation for the poorly understood one or be of much current significance. May be repeated to a maximum of eight (8) semester hours.

**Process Biology**

PCB 5047. Perspectives in Ecology and Evolutionary Biology (3). Lecture, discussion, and reading in advanced concepts of ecology and evolutionary biology.

PCB 5137. Advanced Cell Biology (3). Principles of cell organization; membrane structure and transport; cytoepletonid, signaling; organelle structure and function; energy metabolism; cellular aspects of cancer and immunity.

PCB 5345r. Advanced Field Biology (3). Emphasis on conducting a series of ecological research projects in the field.


PCB 5447. Community Ecology (3). Prerequisites: General ecology and statistics. Introduction to community concepts; species richness models; matrices and communities; competition and species packing; predation and dominance.

PCB 5525. Molecular Biology (3). Prerequisites: PCB 3063, or the equivalent, or permission of the instructor. Introduction to molecular biology and molecular genetics. The emphasis will be on the activities of DNA, RNA, regulation of gene expression, gene cloning, bioinformatics, and biotechnol-

PCB 5559. Advanced Molecular Biology (3). Prerequisites: PCB 4024r or PCB 5525r (molecular biology) or instructor permission. Gene regulation and its relationship to differentiation and development.
PCB 5846. Neurocytology and Neurochemistry (4). Morphological, molecular, developmental, and phylogenetic relations to nervous system organization. May be repeated to a maximum of six (6) semester hours.

PCB 5936r. Selected Topics in Genetics and Cell Biology (1–4). May be repeated to a maximum of sixteen (16) semester hours.

PCB 5937r. Selected Topics in Physiology (1–4). May be repeated to a maximum of sixteen (16) semester hours.

PCB 6455r. Microscopy and Electron Microscopy for the Biologist (3). Permission of instructor required prior to registration.

PCB 6606r. Seminar in Genes and Cell Biology (2). (S/U grade only.) May be repeated to a maximum of eight (8) semester hours.

PCB 6607r. Seminar in Physiology (2). (S/U grade only.) May be repeated to a maximum of eight (8) semester hours.

PCB 6638r. Seminar in Ecology and Evolutionary Biology (2). (S/U grade only.) May be repeated to a maximum of eight (8) semester hours.

Neuroscience

PSB 5057. Neuroscience Methods: Molecules to Behavior (2). Students to a broad array of current techniques and methodologies in the neurosciences from a molecular to behavioral level of analysis.

PSB 5077. Responsible Conduct of Research (2). (S/U grade only.) This course is an introduction to survival skills and ethics in scientific research. The focus is on basic principles of scientific conduct and practice for graduate students pursuing careers in biomedical research.

PSB 6441r. Seminar in Systems and Behavioral Neuroscience (4). This course covers integrated nervous systems that usually lead to the behavior of organisms. Topics include fluid and energy balance, reproduction, sleep, emotions, cognition and neurological disorders.

ZOOG 5933r. Selected topics in Zoology (1–4). May be repeated to a maximum of sixteen (16) semester hours.

ZOOG 6934r. Seminar in Zoology (2). (S/U grade only.) May be repeated to a maximum of eighteen (18) semester hours.

ZOO 6935. Selected topics in Zoology (1–4). May be repeated to a maximum of sixteen (16) semester hours.

ZOO 6937r. Seminar in Marine Biology (2). (S/U grade only.) May be repeated to a maximum of eight (8) semester hours.

ZOO 6938r. Seminar in Zoology (2). (S/U grade only.) May be repeated to a maximum of eight (8) semester hours.

ZOO 6939r. Seminar in Zoology (2). (S/U grade only.) May be repeated to a maximum of eight (8) semester hours.

Academic Programs

Department of CHEMICAL AND BIOMEDICAL ENGINEERING

FAMU—FSU COLLEGE OF ENGINEERING

Chair: Bruce R. Locke; Professors: Humphries, Locke, Palanki; Associate Professors: Alamo, Chella, Kalu, Telotte, Vinals; Assistant Professors: Chin, Ma, Wesson; Visiting Assistant Professors: Chen, Kwon; Adjunct Professor: Schreiber; Associate in Research: Finney; Affiliate Faculty: Bertram, Chen, Gielisse, Haik

The Department of Chemical and Biomedical Engineering at the FAMU—FSU College of Engineering offers the degrees of doctor of philosophy and master of science in both chemical and biomedical engineering, and the bachelor of science in chemical engineering. The bachelor’s degree is fully accredited by ABET. The department is strongly committed to continue building a graduate research program of national reputation in both applied and fundamental areas. The faculty believes that graduate programs must be diverse, interdisciplinary, and flexible in order to prepare chemical engineers that can handle challenging applications of the modern chemical industry. Each full-time teaching faculty member, one adjunct teaching professor, and one research assistant currently comprise the faculty.

Research areas include polymer processing, biocatalysis, electrochemical, and environmental engineering, process control, materials research, macromolecular dynamics, environmental chemistry, and environmental engineering, transport in porous and microstructured media, reaction kinetics, molecular transport phenomena, thermodynamics, NMR/MRI methods in transport, and engineering education. Many of these efforts are conducted in close cooperation with The Florida State University Institute of Molecular Biophysics (IMB), School of Computational Science and Information Technology (CSIT), National High Magnetic Field Laboratory (NHMFL), Center for Materials Research and Technology (MARTECH), and the Departments of Physics, Chemistry and Biochemistry, and Biological Sciences; the Florida A & M University School of Pharmacy and Pharmaceutical Sciences; as well as with their counterparts in Mechanical, Industrial, and Electrical and Computer Engineering in the College of Engineering.

The Department of Chemical and Biomedical Engineering’s main office is located in the College of Engineering building at 2525 Pottsdamer Street. The mailing address is: College of Engineering, Suite 131, 2525 Pottsdamer Street, Tallahassee, Florida, 32310–6046; Phone: (850) 410-6149 or 410-6151; Fax: (850) 410-6150; e-mail: cheme@eng.fsu.edu; website: www.eng.fsu.edu/cheme.

Research Facilities

The Department of Chemical and Biomedical Engineering has extensive graduate research laboratory facilities located in the present College of Engineering building. Three undergraduate teaching laboratories, a design classroom, and twelve graduate research laboratories comprise the current physical resources. All laboratories are well equipped with modern experimental apparatus including numerous workstations and microcomputers for data acquisition and analysis. These facilities include laboratories dedicated to polymer science and engineering, electrochemical engineering, aerosol transport and deposition, batch process optimization and control operations, gas/liquid phase pollution treatment by non-thermal plasma, advanced fluid mechanics, and bioengineering.

A wide range of analytical equipment, including gas and liquid chromatographs, UV-Vis spectrophotometers, a chemiluminescence gas analyzer, aerosol particle measurement instrumentation, analytical microscopes, an FTIR spectrometer, potentiostats, a rotating disk electrode system, a hydraulic press for electrode fabrication, differential scanning calorimeters, and pH, conductive, thermal, pressure, mass, and other measuring devices are located in these laboratories. Process equipment including various types of gas and liquid phase chemical reactors, controlled temperature fermentors, and polymer production reactors are also located in these laboratories. Infrastructure includes an autoclave, a controlled environment incubator, water polishing systems, refrigerated/heating circulating baths, isopropyl ovens, high voltage power supplies, high purity gas production and mixing systems, a refrigerated centrifuge, a glassware cleaning device, and numerous additional support equipment.

In the area of computing capabilities, the department has numerous personal computers interconnected to the college’s computing network. MATLAB, MATHCAD, CHEMCAD, and other UNIX and PC-based programs are readily available to graduate students in their computational research. Extensive, high level computing capabilities are available to students and faculty through the Florida State University Academic Computing and Network Service (FSU ACNS) and School of Computational Sciences (SCS) through the College of Engineering network.

BIOMEDICAL MATHEMATICS

see Mathematics

BOTANY see Biological Science

CELL BIOLOGY see Biological Science
Program in Chemical Engineering

Chemical engineering (ChE) encompasses the development, application, and operation of the processes in which chemical and/or physical changes of material are involved. The work of a chemical engineer is to analyze, develop, design, control, construct, and/or supervise chemical processes in research and development, pilot-scale operations, and industrial production. Emphasis is placed on the application of computer analysis to problems encountered in the above areas. Chemical engineers are employed in the manufacture of organic chemicals (i.e., acids, alkalis, pigments, fertilizers), organic chemicals (i.e., petrochemicals, polymers, fuels, propellants, pharmaceuticals, specialty chemicals), biological products (i.e., enzymes, vaccines, biochemicals, biofuels), foods, semiconductors, and paper.

Chemical engineers having graduate degrees work in a wide range of organizations where their technical skills are needed. These may include: local, state, and federal governments; private and public corporations; and education. Chemical engineers are involved in process and plant operation, technical services groups, research and development laboratories, plant design groups, occupational and safety programs, technical sales, technical training, and technical management. Graduate education can lead to careers in the medical sciences, chemical engineering, and other engineering and scientific disciplines as well as business and law.

Master of Science

Admission Requirements

1. A baccalaureate degree in chemical engineering or an allied field from an accredited college or university;
2. Fulfillment of the requirements for the baccalaureate degree or its equivalent. Students may be required to satisfy deficiencies by taking undergraduate courses if they do not have a degree from an accredited chemical engineering degree program;
3. U.S. students: an undergraduate GPA of 3.3 or higher, and a minimum combined score of 1200 on the verbal and quantitative portions of the GRE;
4. International students: an undergraduate GPA of 3.3 or higher, a minimum combined score of 1200 on the verbal and quantitative portions of the GRE exam. In addition, students whose native language is not English are required to take the TOEFL exam and get a score of at least 213; and
5. Three letters of recommendation from persons familiar with the student’s work and background, and a statement of professional goals.

Note: all students must present GRE scores prior to being admitted.

Students who do not possess a bachelor’s degree in chemical engineering may be required to complete a department-designated sequence of undergraduate courses with grade of “B” or higher in each course. Up to six (6) semester hours of 4000-level course work approved by the department may be counted as graduate electives. Transfer credit from another institution is limited to six (6) semester hours with departmental approval. Typical undergraduate course sequences (in preparation for graduate courses) may include, but are not limited to, the following courses:

- **ECH 3023** Mass and Energy Balances (4)
- **ECH 3101** Chemical Engineering Thermodynamics (3)
- **ECH 3266** Introductory Transport Phenomena (3)
- **ECH 3418** Separations Processes (3)
- **ECH 3854** Chemical Engineering Computations (3)
- **ECH 4267** Advanced Transport Phenomena (3)
- **ECH 4504** Kinetics and Reactor Design (3)

Additional courses in subjects including mathematics, chemistry, physics, and general engineering may also be required. Departmental financial support may not be available for graduate students taking undergraduate courses.

Degree Requirements

The Department of Chemical Engineering offers both thesis-type and course-type (non-thesis) options leading to the master of science degree.

I. Thesis Option (thirty [30] semester hours)

The thesis-type master’s degree is awarded upon successful completion of the following requirements:

1. Twelve (12) semester hours of chemical engineering core courses (see below);
2. Nine (9) semester hours of approved electives;
3. Nine (9) semester hours of ECH 5971r, Thesis; and
4. Registration and attendance at all departmental seminars.

No course with a grade below “C-” will be counted towards fulfillment of degree requirements. No more than one course with a grade in the “C” range will be counted towards fulfillment of degree requirements. The candidate must also complete and defend an original thesis.

Required Courses (twelve [12] semester hours)

- **ECH 5052** Research Methods in Chemical Engineering (3)
- **ECH 5126** Advanced Chemical Engineering Thermodynamics I (3)
- **ECH 5261** Advanced Transport Phenomena I (3)
- **ECH 5840** Advanced Chemical Engineering Mathematics I (3)

II. Course (non-thesis) Option (thirty-three [33] semester hours)

The course-type master’s degree is awarded upon successful completion of the following requirements:

1. Twelve (12) semester hours of chemical engineering core courses (see below);
2. Twenty-one (21) semester hours of approved electives; and
3. Registration and attendance at all departmental seminars.

No course with a grade below “C-” will be counted towards fulfillment of degree requirements. No more than one course with a grade in the “C” range will be counted toward fulfillment of degree requirements.

Note: departmental support is generally not available for students pursuing a non-thesis master’s degree.

Required Courses (twelve [12] semester hours)

- **ECH 5052** Research Methods in Chemical Engineering (3)
- **ECH 5126** Advanced Chemical Engineering Thermodynamics I (3)
- **ECH 5261** Advanced Transport Phenomena I (3)
- **ECH 5840** Advanced Chemical Engineering Mathematics I (3)

All chemical engineering graduate students are required to attend the Program for Instructional Excellence (PIE) Workshop to prepare for teaching assistant (TA) duties. This requirement is mandatory regardless of the student’s classification as a teaching assistant or research assistant. In addition, all students are required to take the safety training course.

Doctor of Philosophy

Admission Requirements

1. Fulfillment of the department’s admission and core course requirements for the master’s degree or its substantive equivalent (see above);
2. Maintenance of a high scholastic record for graduate course work at the previous college or university attended (minimum GPA of 3.3); and
3. Demonstrated proficiency in conducting research in chemical engineering by passing the departmental PhD qualifying examination.

Degree Requirements

Before students can be admitted to the ChE doctoral program, they must satisfy the department’s core course requirements for the master’s degree and must pass the written qualifying examination. Students who fulfill these requirements may elect, upon approval of the graduate committee and major supervisor, to proceed directly toward the PhD without first obtaining a master’s degree.

The PhD degree will be awarded to a doctoral candidate upon successful completion of the following requirements:

1. Selection of a research topic and major professor(s);
2. Formation of a supervisory committee in consultation with the major professor(s);
3. Submission and defense of a prospectus on the dissertation topic to the supervisory committee;
4. Completion of thirty (30) semester hours of advanced course work (including twelve [12] semester hours of core course work);
5. Satisfaction of the University residency requirement;
6. Completion of at least twenty-four (24) semester hours of dissertation research;
7. Presentation and defense of an original dissertation;
8. One semester teaching assistantship in the undergraduate laboratory; and
9. Presentation of a research topic at one local, regional, or national professional meeting.

All chemical engineering graduate students are required to attend the Program for Instructional Excellence (PIE) Workshop to prepare for teaching assistant (TA) duties. This requirement is mandatory regardless of the student’s classification as a teaching assistant or research assistant. In addition, all students are required to take the safety training course.

Students with a master’s degree in chemical engineering from the FAMU—FSU College of Engineering may, with approval of the graduate committee and major professor, take nine (9) additional approved semester hours beyond the thesis-type master’s course requirements to satisfy the thirty (30) semester hour requirement for the PhD. All other requirements must be fulfilled as stated above.

Students with master’s degrees in chemical engineering from other institutions will be given a specific course plan by the departmental graduate committee. A maximum of thirty (30) semester hours may be assigned to remedy any deficiencies in the student’s background.

Qualifying Examination
All students admitted to the PhD program will be required to take the doctoral qualifying examination at the first offering after completion of the core course ECH 5052, Research Methods in Chemical Engineering. A research topic will be assigned by the graduate committee at the beginning of the semester. The student must write a research proposal and defend it orally in front of the graduate committee by the end of the semester. This examination must be passed within two consecutive attempts, or the student is not allowed to continue as a doctoral student. Upon successful completion of the qualifying examination, the student is admitted to candidacy for the PhD degree.

Program in Biomedical Engineering

Biomedical Engineering Program Director: Michael H. Peters

Recent dramatic advances in health care and medical technology made possible by the merger of engineering and medicine have prompted the development of new graduate degree programs in biomedical engineering at many of the top institutions in the U.S. Currently, biomedical engineering is the most rapidly growing graduate engineering discipline in the U.S. The overall goal of this program is to implement education and research in biomedical engineering that will prepare graduates for industrial, governmental, and academic careers in bioengineering, biotechnology, and related professions.

The graduate program in biomedical engineering (BME) promotes a special emphasis in cellular and tissue engineering. Advanced engineering, medical, chemistry, physics, and biology students will gain the necessary knowledge and skills that will allow them to contribute to improved technology in health and medical care and to solve real-world engineering problems in biology and medicine, both in educational and industrial settings.

The thesis MS degree requires thirty (30) semester hours for completion, the non-thesis MS degree requires thirty-three (33) semester hours, and the PhD requires a total of fifty-four (54) semester hours.

Master of Science

Admission Requirements
1. A baccalaureate degree in engineering, chemistry, physics, or biological sciences, or an allied field from an accredited college or university;
2. Fulfillment of the requirements for the baccalaureate biomedical engineering degree or its equivalent. Students may be required to satisfy deficiencies by taking undergraduate courses if they do not have a degree from an accredited biomedical engineering degree program;
3. U.S. students: an undergraduate GPA of 3.3 or higher, and a minimum combined score of 1200 on the verbal and quantitative portions of the GRE; and
4. International students: an undergraduate GPA of 3.3 or higher and a minimum combined score of 1200 on the verbal and quantitative portions of the GRE. In addition, students whose native language is not English are required to take the TOEFL exam and get a score of at least 213; and
5. Three letters of recommendation from persons familiar with the student’s work and background, and a statement of professional goals.

Note: all students must present GRE scores prior to being admitted.

Students with a BS degree in engineering, chemistry, physics, or biological sciences are required to take (or have taken) the following undergraduate engineering courses or their equivalents: ECH 3301, Introduction to Process Analysis and Design for Chemical Engineers, or MAP 3305, Engineering Mathematics I; ECH 3266, Introductory Transport Phenomena; and ECH 4267, Advanced Transport Phenomena. In addition, students should have taken the following courses (if not included in their degree program): Biological Sciences I and II and Biochemistry I and II. An undergraduate course in anatomy and physiology is desirable but not required.

Degree Requirements

The Program in Biomedical Engineering offers both thesis-type and course-type (non-thesis) options for the master of science degree.

Thesis Option (thirty [30] semester hours)

The thesis-type master’s degree is awarded upon successful completion of the following requirements:
1. Eighteen (18) semester hours of biomedical engineering core courses (see below);
2. Three (3) semester hours of approved electives;
3. Nine (9) semester hours of BME 5971r, Thesis; and
4. Registration and attendance at all departmental seminars.

No courses with a grade below “C-” will be counted towards fulfillment of degree requirements. No more than one course with a grade in the “C” range will be counted towards fulfillment of degree requirements. The candidate must also complete and defend an original thesis.

Required Courses (eighteen [18] semester hours):

BME 5030 Biochemical Transport Phenomena (3),
or
ECH 5261 Advanced Transport Phenomena (3)

BME 5937r Special Topics in Biomedical Engineering [Quantitative Anatomy and Systems Physiology I and II] (3,3) if no credit given previously

BME 5937r Special Topics in Biomedical Engineering [Cellular Engineering] (3)

ECH 5052 Research Methods in Chemical Engineering (3)
ECH 5840 Advanced Chemical Engineering Mathematics I (3)

Biomedical Engineering Electives

Choose one of six (three [3] semester hours):

BME 5020 Biophysical Chemistry and Biothermodynamics (3)
BME 5105 Biomaterials (3)
BME 5500 Biomedical Instrumentation (3)
BME 5937 Special Topics in Biomedical Engineering [Mathematical and Computational Biology] (3)
BME 6330 Tissue Engineering (3)
BME 6530 NMR and MRI Methods in Biology and Medicine (3)

Other elective courses taught by the College of Medicine and the Department of Biological Sciences may be found in their respective chapters of this Graduate Bulletin.

Thesis Hours (nine [9] semester hours):

BME 5971r Thesis (1–9)

In addition to the thirty (30) semester hours of coursework and thesis, an oral examination in defense of the thesis is required for the master’s of science in biomedical engineering thesis option.

Course (non-thesis) Option (thirty-three [33] semester hours)

The course-type (non-thesis) master’s degree is awarded upon successful completion of the following requirements:
1. Eighteen (18) semester hours of biomedical engineering core courses (see below);
2. Fifteen (15) semester hours of approved electives; and
3. Registration and attendance at all departmental seminars.
   No courses with a grade below “C−” will be counted towards fulfillment of degree requirements. No more than one course with a grade in the “C” range will be counted towards fulfillment of degree requirements.
   **Note:** departmental support is generally not available for students pursuing a non-thesis master’s degree.

**Required Courses (eighteen [18] semester hours):**

- **BME 5030** Biochemical Transport Phenomena (3)
- **BME 6980r** Dissertation (3) or
- **ECH 5261** Advanced Transport Phenomena I (3)

**Elective Courses (fifteen [15] semester hours):**

- **BME 5020** Biophysical Chemistry and Biothermodynamics (3)
- **BME 5105** Biomaterials (3)
- **BME 5200** Biomedical Instrumentation (3)
- **BME 5937** Special Topics in Biomedical Engineering [Cellular Engineering] (3)
- **BME 6330** Tissue Engineering (3)
- **BME 6530** NMR and MRI Methods in Biology and Medicine (3)

Other elective courses taught by the College of Medicine and the Department of Biological Sciences may be found in their respective chapters of this Graduate Bulletin.

**Doctor of Philosophy**

**Admission Requirements**

1. Fulfillment of the department’s admission and core course requirements for the master’s degree or its substantive equivalent (see above);
2. Maintenance of a high scholastic record for graduate course work at the previous college or university attended (minimum GPA of 3.3); and
3. Demonstrated proficiency in the core areas of biomedical engineering by passing all sections of the departmental PhD qualifying examination.

**Degree Requirements**

Before students can be admitted to the BME doctoral program (PhD), they must satisfy the department’s core course requirements for the master’s degree and must pass the written qualifying examination. Students who fulfill these requirements may elect, upon approval of the graduate committee and major supervisor, to proceed directly toward the PhD without first obtaining a master’s degree.

Students with a thesis-type master’s degree in biomedical engineering from the FAMU—FSU College of Engineering may, with approval of the graduate committee and major professor, take nine (9) additional approved semester hours beyond the master’s degree’s requirements to satisfy the 30-hour course requirement for the PhD. All other requirements must be fulfilled as stated below.

Students with master’s degrees in biomedical engineering from other institutions will be given a specific course plan by the departmental graduate committee. A maximum of thirty (30) semester hours may be assigned to remedy any deficiencies in the student’s background.

Fifty-four (54) semester hours are required for the PhD degree in Biomedical Engineering, as follows:

1. Eighteen (18) semester hours of biomedical engineering core courses;
2. Twelve (12) semester hours of approved electives;
3. Twenty-four (24) semester hours of BME 6980r, Dissertation; and
4. Registration and attendance at all departmental seminars.

**Required Courses (eighteen [18] semester hours):**

- **BME 5030** Biochemical Transport Phenomena (3)
- **BME 6980r** Dissertation (3) or
- **ECH 5261** Advanced Transport Phenomena I (3)

**Elective Courses (twelve [12] semester hours):**

Typical biomedical engineering elective courses:

- **BME 5020** Biophysical Chemistry and Biothermodynamics (3)
- **BME 5105** Biomaterials (3)
- **BME 5200** Biomedical Instrumentation (3)
- **BME 5937** Special Topics in Biomedical Engineering [Cellular Engineering] (3)
- **BME 6330** Tissue Engineering (3)
- **BME 6530** NMR and MRI Methods in Biology and Medicine (3)

Other elective courses taught by the College of Medicine and the Department of Biological Sciences may be found in their respective chapters of this Graduate Bulletin.

**Dissertation Hours (thirty-six [36] semester hours):**

- **BME 6980r** Dissertation (1–9)

The following requirements for the PhD degree in biomedical engineering must be met:

1. Passage of the BME PhD qualifying examination within two (2) consecutive exam attempts; this will result in formal admission to candidacy for the PhD degree;
2. Selection of a research topic and major professor;
3. Submission and defense of a prospectus on the dissertation topic to the supervisory committee;
4. Completion of a minimum of thirty (30) semester hours of advanced course work in biomedical engineering and related disciplines;
5. Satisfaction of University residency requirements;
6. Completion of at least twenty-four (24) semester hours of dissertation research;
7. Presentation and defense of an original dissertation;
8. Assistance in the teaching of at least one laboratory course; and
9. Presentation of one paper at a local, regional, national, or international professional meeting.

All biomedical engineering graduate students are required to attend the Program for Inistrucional Excellence (PIE) Workshop to prepare for teaching assistant (TA) duties. This requirement is mandatory regardless of the student’s classification as a Teaching Assistant or Research Assistant. In addition, all students are required to take the safety training course.

**Academic Regulations and Procedures for Graduate Students**

**Selection of Course Plan**

Selection of courses for the first semester should be done in consultation with the departmental graduate coordinator. All students must also register for the departmental seminar ECH 5935, Chemical Engineering Seminar, every semester.

**Selection of Major Professor**

All full-time graduate students following the thesis option are required to select a research topic and major professor by the end of the first term in which they enter the department. A form for this purpose is available. The completed form should be submitted to the departmental graduate coordinator.

The major professor is responsible for directing the student’s research and progress towards a degree. Once a major professor has been approved, a supervisory committee should be established and a program of study prepared in consultation with the major professor before the end of the second term.

**Supervisory Committee**

The supervisory committee for a master’s degree candidate must consist of a minimum of three faculty members with master’s directive status. The major professor is the chair of the supervisory committee and must be a faculty member from the Department of Chemical and Biomedical Engineering. At least one other member of the committee must be from the Department of Chemical and Biomedical Engineering; the third member of the committee should be from outside the department. Additional members may be appointed to the committee if deemed desirable by the major professor.
The supervisory committee for a doctoral candidate must have four members (including major professor) with doctoral directive status. The major professor is the chair of the supervisory committee and must be a faculty member from the Department of Chemical and Biomedical Engineering. Two of the remaining members of the committee must be from the Department of Chemical and Biomedical Engineering, and the fourth member must be from outside the department. Additional members may be appointed if deemed necessary.

After the members of the supervisory committee have been identified, the supervisory committee assignment form should be completed and returned to the departmental graduate coordinator. This form will be placed in the student’s permanent file.

Program of Study

A program of study should be prepared by the student in conjunction with the major professor and submitted to the supervisory and graduate committees before the end of the second term. The program of study is a complete plan of courses to be taken. On approval of the program of study, this form will also be placed in the student’s permanent file. If changes to the initially approved program of study become necessary, a new program of study form must be submitted for approval.

Maintenance of Good Standing

In order to maintain good standing in the department, the student must maintain an overall GPA of at least 3.0, with no more than two grades in the “C-” range. No more than one course in the “C-” range will be counted towards fulfilling the degree requirements. No grades below “C-” will be counted towards fulfilling the degree requirements. Grades in all required undergraduate courses without an undergraduate degree in chemical engineering should obtain a grade of “B” or better in all required undergraduate courses.

Master’s and doctoral degree students must submit a brief written report on research progress, goals, and completed courses at the beginning of the Fall term for evaluation by the graduate and supervisory committees. A form for this purpose is included in the appendix of the graduate handbook. An assessment of the progress of the student in research and courses by the graduate committee will be placed in the student’s permanent file. Continuance of assistantships and/or tuition waivers is contingent upon satisfactory evaluations. PhD students must submit and defend a prospectus on the dissertation topic to the supervisory committee within a period of one year of admission to candidacy for the doctoral program.

Time to Degree Completion

Students with undergraduate degrees in chemical or biomedical engineering normally complete the thesis-type master’s program in four to five semesters, including one summer semester. The graduate committee will not normally recommend continuation of assistantships and tuition waivers beyond a period of two years subsequent to the student’s admission to the masters program. Students without an undergraduate degree in chemical or biomedical engineering will be required to complete the thesis-type master’s program in four or five semesters, including one summer semester. The graduate committee will not normally recommend continuation of assistantships and tuition waivers for completion of the master’s program. They may be supported on research grants after this period.

Assistantship Duties

Graduate student support is generally in the form of research or teaching assistantships (RAs or TAs), although University fellowships are also available. Research assistantships generally do not require the performance of any work beyond the research requirements of the degree. However, research assistants who receive departmental support for tuition waivers may be required to grade for classes. In addition, doctoral candidates will have to satisfy the teaching requirements of the degree (TA for one laboratory course). Teaching assistantship duties include grading homework and/or exams, conducting recitation sections, having office hours, and answering student questions. Specific duties are assigned by the course instructor, but will typically require less than ten (10) hours per week.

Definition of Prefixes

BME — Biomedical Engineering
ECH — Engineering: Chemical

Graduate Courses

Biomedical Engineering

BME 5055 — Engineering and Applied Science Aspects of Biology and Medicine (3). Prerequisites: BCH 4053; BSC 2010; ECH 4403; PCB 3063 and 3134, or 4024. An introductory biomedical engineering course that covers engineering aspects of biology and medicine, including cellular, tissue, and organ systems, physiology and pathophysiology, biomechanics, energetics of metabolism, and the systems engineering of physiological processes.

BME 5020 — Biophysical Chemistry and Biothermodynamics (3). Prerequisite: ECH 3101. This course examines the thermodynamics and physical chemistry of living systems, as well as biochemical pH monitoring and analysis.

BME 5030 — Biochemical Transport Phenomena (3). Prerequisites: BCH 4053; BSC 2010; ECH 4403. This course examines the intercellular and intracellular transport of biochemical species, active and passive transport across cell membranes, facilitated transport, and enzyme kinetics and transport phenomena.

BME 5086 — Biomedical Engineering Ethics (3). Prerequisite: Senior or graduate standing in Biomedical Engineering. This course is an introduction to the key theories, concepts, and principles, and methodology relevant to the development of biomedical professional ethics. The student is facilitated in her development of a code of professional ethics through written work, class discussion and case analysis.

BME 5105 — Biomaterials (3). Prerequisites: BCH 4053; BSC 2010; PCB 3063 and 3134, or 4024. This course examines the fundamentals and applications of biological materials, as well as tissue engineering and mechanics.

BME 5385 — Animal Surgical Techniques (3). Prerequisite: BSC 2010, permission of instructor. This course examines animal surgical techniques, including animal anesthesia. It also includes surgical procedures and surgical tools.

BME 5500 — Biomedical Instrumentation (3). Prerequisites: EEL 3003, 3003L. This course examines common and advanced instrumentation in medicine, lasers, optics, and electronics.

BME 5950r — Directed Individual Study (1–3). Prerequisite: consent of instructor. Direct study of some topic in biomedical engineering. Conducted on a personal basis with the instructor. May be repeated with different topics. A maximum of three (3) semester hours is counted toward the MS or PhD. May be repeated to a maximum of twelve (12) semester hours.

BME 5971r — Supervised Research (3, S/U grade only). Prerequisite: graduate standing in biomedical engineering and consent of instructor. Research of a basic or applied nature. May be repeated to a maximum of six (6) semester hours with different topics. May be repeated in any semester.

BME 5971r — Thesis (1–9). (S/U grade only.) Prerequisite: graduate standing in biomedical engineering. Performance of research and preparation of a thesis. May be repeated to a maximum of six (6) semester hours with different topics. May be repeated in any semester.

BME 6210 — Biomechanics of Human Structure and Motion (3). Prerequisite: Doctoral candidate in biomedical engineering. This course examines the mechanical properties of human structures.

BME 6340 — Tissue Engineering (3). Prerequisite: Doctoral candidate in biomedical engineering. This course examines the fundamentals and applications of tissue engineering, tissue culturing and growth, and transplantation and rejection.

ECH 5260 — Computer-Aided Design and Control in Medicine and Surgery (3). Prerequisite: Doctoral candidate in biomedical engineering. This course examines the fundamentals and applications of control and design in medicine and surgery, as well as computer controls in laser surgery.

ECH 5270 — Biostatistics (3). Prerequisite: Doctoral candidate in biomedical engineering. This course investigates molecular construction of biological macromolecules, including proteins, DNA, and polyethylene compounds. It also examines molecular dynamics in membrane processes.

ECH 6938r — Special Topics in Biomedical Engineering (3). Prerequisites: Doctoral standing in biomedical engineering and consent of instructor. Detailed study of some topic of special interest to biomedical engineers. May be repeated to a maximum of six (6) semester hours with different topics. May be repeated in same semester.

ECH 8975 — Dissertation Defense (0). (S/U grade only.) Prerequisite: consent of instructor. All students must register for this course for the term during which they intend to defend their theses.

ECH 8985 — Dissertation Defense (0). (S/U grade only.) Prerequisite: doctoral standing in biomedical engineering and consent of instructor. All students must register for this course for the term during which they intend to defend their theses.

BME 5905 — Engineering and Applied Science Aspects of Biology and Medicine (3). Prerequisites: BCH 4053; BSC 2010; ECH 4403; PCB 3063 and 3134, or 4024. An introductory biomedical engineering course that covers engineering aspects of biology and medicine, including cellular, tissue, and organ systems, physiology and pathophysiology, biomechanics, energetics of metabolism, and the systems engineering of physiological processes.

ECH 7005 — Special Topics in Biomedical Engineering (3). Prerequisites: BME 5937r, 5950r, 5971r. This course examines MR imaging methods, including image formation, image contrast, and image processing. It also examines tissue engineering, as well as computer controls in laser surgery.

EHC 8976 — Special Topics in Biomedical Engineering (3). Prerequisites: BME 5937r, 5950r, 5971r. This course examines MR imaging methods, including image formation, image contrast, and image processing. It also examines tissue engineering, as well as computer controls in laser surgery.

EHC 8985 — Dissertation Defense (0). (S/U grade only.) Prerequisite: doctoral standing in biomedical engineering and consent of instructor. All students must register for this course for the term during which they intend to defend their theses.

BME 8965r — Doctoral Qualifying Exam (0). (F grade only.) Prerequisite: doctoral standing in biomedical engineering. All doctoral students must enroll in this course the semester they intend to take the qualifying exam.

BME 8976 — Doctoral Qualifying Exam (0). (F grade only.) Prerequisite: doctoral standing in biomedical engineering. All doctoral students must enroll in this course the semester they intend to take the qualifying exam.

BME 8995 — Dissertation Defense (0). (F grade only.) Prerequisite: doctoral standing in biomedical engineering and consent of instructor. All students must register for this course for the term during which they intend to defend their theses.

BME 5950r — Directed Individual Study (1–3). Prerequisite: consent of instructor. Direct study of some topic in biomedical engineering. Conducted on a personal basis with the instructor. May be repeated with different topics. A maximum of three (3) semester hours is counted toward the MS or PhD. May be repeated to a maximum of twelve (12) semester hours.

BME 5971r — Supervised Research (3, S/U grade only). Prerequisite: graduate standing in biomedical engineering and consent of instructor. Performance of research project required for the non-thesis MS degree.
Program in CHEMICAL PHYSICS

College of Arts and Sciences

Chair: S.A. Safron; Professors: Cioslowski, Crow, Dalal, Dougherty, Fulton, Manousakis, Marshall, Rikvold, Safron, Van Winkle, von Molnar; Associate Professors: Fischer, Hiliński, Lind; Assistant Professors: Alabugin, Cao, Steinbock, Xiong

The departments of Chemistry and Biochemistry and Physics offer interdepartmental doctor of philosophy and master of science degrees through the Program in Chemical Physics. The program gives students a broad fundamental background in the structure and behavior of matter. It also affords them the opportunity to work with a professor whose field is closest to their own interests, regardless of departmental affiliation. The cooperating faculty consists of members from both departments. The program is designed to serve students trained in mathematics and Engineering as well as in chemistry and physics.

Chemical physics programs have typically focused on individual molecules or small molecular systems for theoretical development and experimentation, and many of the chemical physics faculty are engaged in just such work. A number of powerful approaches are being developed. Of these approaches, computational methods have been among the most important. The School of Computational Science and Information Technology (CSIT), which was begun only a few years ago at The Florida State University, has been the development of computational methods which will be applicable to problems in a wide variety of areas. Some members of the chemical physics program are associated with CSIT; their research interests generally involve developing computational techniques for the new supercomputers which are particularly useful in chemical physics and in carrying out some of these calculations.

A number of faculty in the program are also associated with the Center for Materials Research and Technology or MARTECH. These researchers are interested in mobilizing the powerful array of theoretical and experimental techniques developed in traditional chemical physics to study the more complicated and less well-developed field of material science. For experimental workers, most of the latest analytical tools, such as X-ray diffraction, Scanning Electron Microscopy, Electron Spectroscopy for Chemical Analysis (ESCA), Low Energy Electron Diffraction, Auger Electron Spectroscopy, Ellipsometry, Fourier Transform Infrared Spectroscopy (FTIR), and more, are available to the research community. For those interested in calculations, some faculty are associated with both MARTECH and CSIT. Additional research facilities have also become available as the new National High Magnetic Field Laboratory has come into operation.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Admission Requirements

Students with acceptable chemistry or physics undergraduate degrees and Graduate Record Examinations (GRE) scores can be admitted into the program after having been accepted by either the chemistry or physics departments. Alternatively, students with an appropriate undergraduate record and acceptable GRE scores can enter directly into the chemical physics program. Depending on how they enter the program, new students should prepare themselves for one of three qualifying examinations: physics, chemistry, or chemical physics.

In the case of the departmental qualifying procedure, diagnostic examinations, followed by evaluation of course work performance in chemistry and proficiency examination in physics, the usual departmental rules shall apply. The rules governing the chemical physics qualifying examination will be consistent with those of the departments of Chemistry and Biochemistry and Physics. This examination will include material from: 1) two semesters of physical chemistry at
the level of CHM 4410–4411, and 4410L–4411L, and 2) upper-division courses in mechanics, electricity and magnetism, and optics.

Master’s Degree

Only a thesis-type master of science degree is offered. The candidate must earn at least sixteen (16) semester hours of credit at the 5000 level or above and, of these sixteen (16), at least six (6) must be in formal lecture courses in either physics or chemistry. A minimum of six (6) semester hours of thesis credit is required. The candidate must also achieve an appropriate performance on the qualifying examination. Students must take an oral examination that will include a defense of the thesis. A satisfactory thesis may be required by the faculty as a prerequisite to candidacy for the doctoral degree in particular cases, but neither the thesis nor the master’s degree is a general prerequisite for the doctor of philosophy (PhD) degree.

Doctoral Degree

1. The preliminary examination for the PhD degree program consists of both written and oral sections. The student can satisfy the written part by following one of two options:

Option A. The student may take and pass six out of the 16 cumulative exams given by the physical chemistry division of the Chemistry and Biochemistry department in a two-year period. These two-hour exams are given eight times a year. Each cumulative exam addresses one of the broad areas of physical chemistry: thermodynamics, statistical mechanics, kinetics, and quantum mechanics. Formally, the student begins taking the cumulative exams at the start of the second year and continues until six are passed or 16 are attempted. In addition, the student must complete satisfactorily (earning a “B” or better) introduction to electricity and magnetism courses (PHY 4323–4324 or their equivalent) and one special topics in physics course (PHY 6938r) approved by the student's supervisory committee. The physical chemistry cumulative exams are based in part on the courses CHM 5440, 5460, 5461, 5480, 5481, and 5585;

Option B. The student may take and pass the written comprehensive examination in physics, which covers graduate-level mechanics, statistical mechanics, electrodynamics, and quantum mechanics. In addition, the student must pass (earning a “B” or better) thermodynamics and statistical mechanics (CHM 5460 or the equivalent), one other graduate-level physical chemistry course, and one special topics in physics (PHY 6938r) approved by the student’s supervisory committee.

The form of the examination proposed above is designed to make optimum use of the student’s background while emphasizing the fundamental unity of the program.

The oral portion of the comprehensive examination shall emphasize the area of the student’s proposed research, but the student will also be expected to be familiar with basic concepts in chemical physics.

2. Students will be required to present at least one seminar in the regular physical chemistry–chemical physics seminar series during their period of study for the master’s or doctoral degree.

3. The supervisory committee shall consist of a) the major professor who will be a member of the chemical physics faculty, b) three additional members of the chemical physics faculty (not all from the same area), and c) a graduate faculty representative not from the chemical physics faculty.

Definition of Prefix

PHY — Physics

Graduate Courses for Chemical Physics Majors

PHY 597r: Thesis (3–6). (SU grade only). A minimum of six (6) semester hours credit is required.

PHY 6980r: Dissertation (1–12). (SU grade only.)

PHY 8969r: Preliminary Doctoral Examination (0).

PHY 8976r: Master’s Thesis Defense (0).

PHY 8985r: Dissertation Defense (0).

WP200SY (200 MHz) IBM/Brucker spectrometer with a ‘solids’ accessory, WP270SY (270 MHz) spectrometer used primarily for the observation of high resolution heteronuclear NMR and biological in vivo NMR spectroscopy, and the newest addition, a Varian 600 MHz wide-bore spectrometer devoted to biological and materials science applications. The Biochemical Synthesis and Services Laboratory (BASS) staff carries out synthesis of DNA, RNA, and peptides, as well as the sequencing of proteins. The staff trains all students in the use of the equipment in the lab, which includes one DNA and three protein synthesizers, ten liquid chromatographs, UV-VIS, fluorescence and circular dichroism spectrometers, two capillary electrophoresis systems, and two calorimeters. The Laser Laboratory is a multiuser research facility allowing access to a variety of sophisticated lasers, spectrometers, detectors and data acquisition setups to allow research involving lasers. The facility is well equipped to carry out Raman vibrational spectroscopy using continuous wave lasers, laser-induced emission spectroscopy with the use of continuous wave and high energy pulsed lasers, transient absorption measurements with high energy pulsed lasers. Other major instrumentation available in the department include a Multi-Angle Laser Light Scattering (MALLS) and X-ray fluorescence spectrometer for multi-element analyses of liquids and solids. State-of-the-art macromolecular X-ray crystallography and computational modeling facilities are located in the Molecular Biophysics building. The department maintains excellently staffed glassworking, machine, electronics, photo, and woodworking shops in support of teaching and research activities.

Department of CHEMISTRY AND BIOCHEMISTRY

COLLEGE OF ARTS AND SCIENCES

Chair: Naresh S. Dalal; Professors: Allen, Chapman, Cross, Dalal, Dorsey, Dougherty, Fulton, Gilmer, Holton, Krafft, Kroto, Marshall, Safron, Saltiel, Schlenoff; Visiting Professors: Brüschweiler; Associate Professors: Blaber, Cooper, Fischer, Goldsbly, Hintinski, Logan, Sang, Stegman, Strouse; Assistant Professors: Alabugin, Dudley, Greenbaum, Lattruner, Li, Nymeyer, Steinbock, Striegel, Weston, Zakarian; University Professor: Kasha; Coordinator of General Chemistry Laboratories: TBA; Coordinator of Upper Division Chemistry Laboratories: TBA; Professors Emeriti: Chapin, Clark, DeTar, Herz, Johnsen, Light, Linder, Mandelkern, Mellon, Rhodes, Schwartz, Sheline, Vickers; Professor Emerita: Hoffman

The graduate program in chemistry and biochemistry at The Florida State University began in 1949. From this relatively recent beginning, the department developed rapidly to a position of prominence in the Southeast and has gained international recognition for the quality of the graduate education it offers. The department offers programs leading to the master of science and doctor of philosophy degrees in analytical, inorganic, organic, physical, and biochemistry. Interdisciplinary programs leading to advanced degrees in chemical physics and molecular biochemistry are offered in cooperation with the departments of Physics and Biological Science. The department also participates in interdisciplinary programs in materials science, supercomputing, and structural biology.

The excellent research laboratory facilities and the presence of up-to-date University facilities, such as the School of Computational Science and Information Technology, The Center for Materials Research and Technology, and the National High Magnetic Field Laboratory, offer the graduate student outstanding opportunities for research. Department research operations are housed in the interconnected Dittemore Laboratory of Chemistry building and Molecular Biophysics building. Several adjacent structures serve other department teaching functions. Major research instruments and equipment available to all faculty and graduate students are housed in several specialized laboratories within the department. Professional scientists and engineers who provide assistance and technical guidance in the use of each facility operate these laboratories.

The Mass Spectrometry Laboratory has the ability to obtain low-, medium- and high-resolution mass spectra using electron impact, chemical ionization or electrospray ionization. Molecular spectrometry is acquired on a JEOL JMS-600H double focusing high resolution mass spectrometer or Agilent 6870/5973 GC-MS combination. Stable isotope ratio analyses for C, H, N, O and S can be obtained with a Finnigan Delta S isotope ratio GC/MS. The FSU NMR Facility has seven Fourier Transform NMR spectrometers, and the spectrometers currently housed in this facility include an Inova500 (500 MHz for protons) Varian spectrometer dedicated to high resolution NMR, Inova300 (300 MHz) dedicated to the undergraduate chemistry laboratories, Gemini 2000 (300 MHz), Bruker AC 300 (300 MHz),
With an active faculty of nearly 40 members, the department offers a fully developed program, encompassing theoretical and experimental research in all areas of chemistry and many interdisciplinary areas. The faculty has been widely recognized for its achievements, with memberships in the National Academy of Sciences, The Royal Danish Academy of Sciences, the Brazilian Academy of Sciences, and the American Academy of Arts and Sciences. Faculty members have been recipients of the American Chemical Society Award in Chemical Instrumentation, the American Chemical Society Award in Polymer Chemistry, the American Chemical Society Fisher Award in Analytical Chemistry, the American Chemical Society Award in Nuclear Chemistry, the Chemical Manufacturing Association award for excellence in chemical education, Presidential Young Investigator awards, Sloan Fellowships, National Institutes of Health post-doctoral awards, and many other national and international honors and awards. The faculty of the Department of Chemistry is committed to high standards of teaching with innovative pedagogical approaches, student-centered learning, and state-of-the-art research opportunities. The department offers a variety of undergraduate and graduate programs, including the Bachelor of Science, Master of Science, and Doctor of Philosophy degrees in chemistry. The department is a leader in research, innovation, and education, with a strong commitment to diversity and inclusion.

**Requirements**

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin. The department offers a course in the area of specialization. The course is designed to provide the student with advanced work in chemistry and experience in chemical research. Once students have selected a major professor to direct their research, a supervisory committee is formed for each student by the supervisory committee.

**Special Requirements for Course-Type Master of Science Degree in Chemistry**

The course-type program is designed to provide the student with a strong technical education, but with less emphasis on research. In this program, at least twenty-one (21) of the University-required thirty-two (32) semester hours of credit must be taken on a letter-grade basis at the 4000 level or above. At least three (3) hours of directed individual study (DIS) must be taken. A supervisory committee must be formed to guide the student.

Some teaching experience is required. The supervisory committee will determine the amount, consistent with the student’s experience and goals. A 3.0 grade point average must be maintained in all formal chemistry course work. Students must give at least one seminar in the area of their concentration.

**Requirements for the Doctor of Philosophy Degree**

The heart of the PhD degree is research. The degree is granted to students who have mastered a definite field of knowledge, who have demonstrated the ability to do original and independent scholarly investigation, and who have shown an ability to integrate their field of specialization with the larger domains of knowledge and understanding. As early as practical after beginning graduate study, students identify the division in which they will concentrate and a major professor to direct their research activities. In consultation with the major professor, students select a supervisory committee which will guide them in selecting programs of study and will provide evaluation by conducting the oral portion of the PhD preliminary examination and the defense of dissertation. The PhD preliminary examination consists of written and oral portions. The written portion tests the student’s mastery of the major field at an advanced level. In the analytical, organic, inorganic, and physical divisions, the written portion of the preliminary examination consists of a series of “cumulative” exams on selected topics, a designated number of which must be passed in a prescribed period. The biochemistry division uses a single “comprehensive” exam after the first year. The oral portion consists of an examination covering a research proposal. It must be taken within six months after completion of the written portion.

Two semesters of teaching experience are required for PhD candidates. Completion of a significant body of individual research is, of course, an essential requirement for the degree. The research results must be orally presented and defended before the supervisory committee in the defense of dissertation.

**Graduate Courses**

**Analytical Chemistry**

CHM 5144. Introduction to Chemical Instrumentation (3). Lecture. An introduction to instrumental analysis to limit the accuracy, precision and speed of measurements with instruments with detailed discussions of the meaning and implications of signal bandwidth, signal orthogonality, impedance relationships, modulation and phase sensitive detection, sampling, the Fourier transform, information theory, analog signal handling with negative feedback and digital signal handling.

CHM 5141. Introduction to Chemometrics (3). Lecture. The application of techniques of linear algebra and statistics to enhance the selectivity of chemical analyses. The Fourier transform and signal processing, orthogonalization, classical least-squares, inverse least-squares, partial least-squares, factor analysis, principal component (xenobiotic) organic molecules. Discussion of how analytical techniques such as NMR, mass spectrometry and capillary electrophoresis provide useful organic biochemical techniques such as gas chromatography.

CHM 5138. Mass Spectrometry (3). Prerequisite: graduate standing. Course covers: principles and techniques of ion formation, focusing, collision, fragmentation, and reaction; interpretation of mass spectra; mass spectrometry and ion trap; electron capture and chemical and biological applications.

CHM 5140. Introduction to Chemical Instrumentation (3). Lecture. An examination of factors that limit the accuracy, precision and speed of measurements with instruments with detailed discussions of the meaning and implications of signal bandwidth, signal orthogonality, impedance relationships, modulation and phase sensitive detection, sampling, the Fourier transform, information theory, analog signal handling with negative feedback and digital signal handling.

CHM 5151. Optical Methods of Chemical Analysis (3). Lecture. Fundamentals of optics (lens, prism, gratin), spectrophotometric instrumentation, spectrophotometric techniques for chemical analysis, including atomic absorption and absorption spectroscopy, molecular absorption and luminescence, infrared and Raman spectroscopy.

CHM 5153. Electrochemistry (3). Lecture. Instrumentation and techniques in electrochemistry, including such topics as electrode processes, potentiometry, voltammetry, and coulometry.

**Chemical Separations (3). Lecture. The primary theme will be chromatography, including gas-solid, gas-liquid, capillary gas, ion-exchange, and high-performance liquid chromatography. Emphasis will be placed on the fundamental physical processes, modern instrumentation, and response characteristics of detectors relevant to these methods. Ancillary techniques to be discussed include solvent extraction, thin layer techniques, electrophoresis, field-flow fractionation, and chromatographic measurements of physicochemical parameters.**
CHM 5180r. Special Topics in Analytical Chemistry (1–3). Lecture, as appropriate to credit. May be repeated up to a maximum of four times.

CHM 5454. Polymer Characterization (3). Course covers the characterization of synthetic polymers by various analytical techniques including spectroscopy, molecular weight measurements, structure, surface studies and mechanical properties. Course includes sufficient introductory material in polymer synthesis and polymer properties.

CHM 6190r. Analytical Chemistry Seminar (1). May be repeated to a maximum of six (6) semester hours.

CHM 6191r. Analytical Chemistry Seminar (1). (S/U grade only.) May be repeated to a maximum of six (6) semester hours.

Organic Chemistry


CHM 5245. Physical Organic Chemistry (3). Lecture. Linear free-energy relationships, inductive effects, treatment of structure-reactivity relationships. Equilibrium reactions, reaction kinetics and dynamics, correlation functions; dense systems.

CHM 5250. Advanced Organic Synthesis (3). Lecture. Prerequisite: CHM 5226. Advanced synthetic organic chemistry, and database. Applications of the following topics to total synthesis: enolate chemistry; Diels-Alder; Claisen, Cope reactions; fragmentation reactions; photochemical reactions; stereoselective synthesis; natural product synthesis; and protecting groups.

CHM 5251. Graduate Survey of Organic Chemistry (3). An intense survey of organic chemistry covering structure, reactions, synthesis, analysis, and spectroscopy of organic compounds. Restricted to beginning graduate students in chemistry.

CHM 5380r. Special Topics in Organic Chemistry (1–3). Lecture, as appropriate to credit. May be repeated to a maximum of four (4) semester hours.

CHM 6390r. Organic Chemistry Seminar (1). (S/U grade only.) May be repeated to a maximum of six (6) semester hours.

Physical Chemistry

CHM 5440. Physical and Chemical Kinetics (3). Prerequisites: CHM 5460, 5480. Topics in this course include comprehensive descriptions of reaction kinetics and dynamics; phenomenological rate laws; reaction mechanisms; diffusion-controlled and activation-controlled reactions; and the statistical and numerical techniques for kinetic studies.

CHM 5450. Thermodynamics and Statistical Mechanics (3). Lecture. Fundamentals of thermodynamics and basic concepts of quantum and classical statistical mechanics; thermodynamic functions from spectroscopic data; gas imperfections.

CHM 5461. Advanced Statistical Mechanics (3). Prerequisites: CHM 5460, 5480. Lecture. Foundation of quantum and classical statistical mechanics; density matrix formulation; correlation functions; dense systems.

CHM 5470. Valence Theory (3). Lecture. Symmetry and group theory, operators and wave-mechanics; atomic orbitals; diatomic molecular electronic structure and spectra; spectral properties of polyatomic molecules.

CHM 5480. Quantum Mechanics (3). Lecture. Basic theoretical chemical and mathematical framework; applications to simple systems.

CHM 5481. Advanced Quantum Mechanics (3). Prerequisite: CHM 5480. Lecture. Mathematical and conceptual foundation; statistical nature of quantum theory; time dependent formulations.

CHM 5560. Physical Chemistry of Macromolecules I (3). Prerequisite: Two semesters of physical chemistry or consent of instructor. Course covers analytical techniques of random coil polymer chains; ordered polymer structures and order-disorder transitions; thermodynamics of polymer solutions; structure-property relationships of polymers. Cross-listed under Biochemistry.

CHM 8985r. Dissertation Defense (0). May be repeated to a maximum of six (6) semester hours.

Multiple Area Courses

CHM 5823r. Supervised Research (1–5). (S/U grade only.) A maximum of three (3) hours may be applied to a master’s degree. May be repeated to a maximum of five (5) semester hours.

CHM 5830r–5833r. Directed Individual Study (one to six [1–6] hours each). (S/U grade only.) Each course may be repeated to a maximum of six (6) semester hours.


CHM 5935r. Seminar in Chemical Education (1). (S/U grade only.) A maximum of six (6) semester hours credit is required.

CHM 6850r–6853r. Seminar in Research (three [3] hours each). (S/U grade only.) Each course may be repeated to a maximum of six (6) semester hours.

CHM 6980r. Dissertation (1–12). May be repeated to a maximum of 10 times.

CHM 6985r. Dissertation Defense (0). (P/F grade only.)

CHM 8976r. Preliminary Examination (0). (P/F grade only.)

CHM 8985r. Dissertation Defense (0). (P/F grade only.)

CHEMISTRY: SPECIALIZED see Chemistry

CHILD DEVELOPMENT see Family and Child Sciences

The primary mission of the Department of Childhood Education, Reading, and Disability Services is to provide new knowledge for the improvement of practice in educational settings through the ongoing publication of basic and applied educational research, the dissemination of research findings at scholarly conferences, and the seeking of external research funding; second, to provide excellence in the preparation of teachers at the graduate level in the fields of early childhood education, elementary education, and reading and language arts. This includes the development of doctoral students for leadership roles in educational research and policy, teacher education,

Department of CHIL

DEPARTMENT see Chemistry

ACADEMIC PROGRAMS

CHILD DEVELOPMENT see Family and Child Sciences

Current rotation between physical inorganic (emphasis on transition metal chemistry).
the faculty committee will consider evidence of the following: 1) a baccalaureate degree from an accredited university; 2) GPA of 3.0 or better in the master's degree course work and a minimum score of 1000 on the combined (verbal and quantitative) aptitude portions of the GRE; 3) professional experience in the field or related field; 4) letters of recommendation; and 5) a statement of professional objectives.

Specialist Degree

Admissions

Requirements for entrance to the specialist degree program are: 1) a master's degree from an accredited university; 2) GPA of 3.0 or better in the master's degree course work and a minimum score of 1000 on the combined (verbal and quantitative) aptitude portions of the GRE; 3) professional experience in the field or related field; 4) letters of recommendation; and 5) a statement of professional objectives.

Doctoral Degree

Admissions

Requirements for entrance to the doctoral degree program are: 1) a master's degree from an accredited university; 2) GPA of 3.0 or better in the master's degree course work and a minimum score of 1000 on the combined (verbal and quantitative) aptitude portions of the GRE; 3) professional experience in the field or related field; 4) letters of recommendation; and 5) a statement of professional objectives; and 6) a formal research-based paper.

Graduate Courses

EDG 5246. Moral Education (3). This course is designed for masters and doctoral students to expose and discuss controversial topics related to moral education. Course topics include hate crimes, racial issues, gun control, character-values-mental education, and tolerance. This class examines historical, theoretical, and practical issues and applications pertaining to moral education.

EEC 5265. Thematic Curriculum and Direct Instruction for Young Children (3). One of three courses designed to provide theory/research bases for the development of curriculum and practices for educating children ages 3 years to grade 3. This course focuses on thematic curriculum and direct instruction.

EEC 5269. Curriculum and Play for Young Children (3). One of a three-course series designed to provide theoretical research bases for the development of appropriate curriculum and practices for educating children aged 3 years to grade 3. This course focuses on active learning through play.

EEC 5305. Methods and Experiences with Young Children and Families (3). Provides direct experiences in working with young children and families and requires seminar attendance and field placement with young children.

EEC 5405. Teachers and Parents: Partners in Education (3). Emphasis on educational development and achievements; designing/ implementing strategies for enhancing parent-teacher partnership in education.

EEC 5525. Children's Centers (3). Investigate the basic principles involved in establishing and operating centers for the young child.

EDC 5911. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) semester hours may apply to the master's degree.

EDC 5935. Special Topics in Early Childhood Education (3). This course provides an in-depth examination of topics related to early childhood. May be repeated to a maximum of nine (9) semester hours.

EDC 5942. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) semester hours may apply to the master's degree.

EDC 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 5971r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours is required.

EEC 5973r. Specialist in Education Thesis (1–6). (S/U grade only.)

EEC 6515. Educational Environments for Infants and Toddlers (3). Updates research in first years of life to kinds of environment and learning experiences which promote and ensure optimum development.

EEC 6672. Theory and Research in Young Children's Play Curriculum (3). Prerequisite: EEC 5269 or permission of instructor. Seminar on the advanced study of young children's play and curriculum.

EEC 6932. Doctoral Seminar in Early Childhood Education (2). (S/U grade only.)

EEC 6966r. Dissertation (1–12). (S/U grade only.)

EEC 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

EEC 8966r. Master's Comprehensive Examination (0). (P/F grade only.)

EEC 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

EEC 8976r. Master's Thesis Defense (0). (P/F grade only.)

EEC 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)

EEC 8985r. Dissertation Defense (0). (P/F grade only.)

ELEMENTARY EDUCATION

Professor: Flake; Associate Professor: Clark; Assistant Professors: Almarza, Guiry, Lundein, Rice; Service Professor: Hansen; Assistants in Elementary Education: Davis (Panama City), Rios (Panama City)

The elementary program is designed to prepare elementary professionals who work at various levels of instruction, including the primary, intermediate, and middle school grades; in-service teacher education; curriculum development; and college and university teacher education. Course work and field experiences prepare graduates for elementary teaching. The primary goal of elementary education is to prepare professionals who work at various levels of instruction, including the primary, intermediate, and middle school grades; in-service teacher education; curriculum development; and college and university teacher education. Course work and field experiences prepare graduates for elementary teaching. The primary goal of elementary education is to prepare professionals who work at various levels of instruction, including the primary, intermediate, and middle school grades; in-service teacher education; curriculum development; and college and university teacher education. Course work and field experiences prepare graduates for elementary teaching.
Expertise in curriculum theory, developmental learning, integrated learning, teacher cognition, school improvement, teacher education, classroom organization, multicultural learning, and technology education. Subject area content and pedagogy are also integral to the program with specializations in language arts, mathematics, reading, science, and social studies teaching and learning. One faculty member resides at the Panama City campus. The program also draws on other faculty in the college and University from the disciplines of anthropology, philosophy, psychology, sociology, and the humanities.

Master’s Degree

The master of science degree in elementary education is designed for individuals aspiring to be master classroom teachers for elementary and middle school grades, curriculum leaders of schools and districts, or educational consultants. Initial certification for grades K–6 can be obtained by college graduates with majors in other fields who are part of an extended master’s degree program. The master’s degree is also attractive to prospective doctoral candidates in education who are seeking an interdisciplinary program of studies for a master’s degree.

Admission

Admission to the master of science program is based upon the applicant’s previous academic performance, aptitude for graduate study, and teaching certification held; teaching experience is desirable. However, applicants will not automatically be accepted based on any single criterion; the faculty committee will consider evidence of the following: 1) a baccalaureate degree from an approved institution; 2) submission of a transcript including a grade point average of 3.0 or better in the last two years of undergraduate study; 3) submission of a minimum combined verbal and quantitative score of 1000 on the Graduate Record Examination (GRE); 4) certification in a field of education; and 5) successful teaching experience.

Curricula

Two types of programs are offered: 1) For students who are already certified in elementary education, thirty-two (32) semester hours and a comprehensive exam or thesis is required. Course work includes a minimum of twelve (12) semester hours in elementary curriculum, teaching, and learning; fifteen (15) semester hours in content specializations; three (3) semester hours in computer education; and three (3) semester hours in educational foundations. Students may write a thesis that will substitute for up to six (6) semester hours of course work; 2) For students seeking initial certification in elementary education, an extended degree program of between fifty-one (51) and fifty-four (54) semester hours, including fourteen (14) semester hours of supervised teaching and internship, is offered. To complete this program, students must also be admitted to teacher education, described in the “College of Education” chapter of this Graduate Bulletin.

Specialist Degree

The specialist in elementary education degree (EdS) is an advanced degree to prepare individuals for leadership in elementary education programs as master teachers, curriculum specialists, in-service teacher educators, and consultants for public or private educational organizations as well as state and federal government. Typically, this degree is sought as a terminal degree in the field.

Admission

Requirements for entrance to the specialist degree program are: 1) a master’s degree from an accredited university; 2) GPA of 3.0 or better in the master’s degree course work, and a minimum score of 1000 on the combined (verbal and quantitative) aptitude portions of the GRE; and 3) a minimum of two years teaching experience at the elementary or middle school level. The applicant must submit a statement of professional objectives and a GRE score as part of the application process. Prior certification in elementary education is required.

Curricula

For the specialist degree, a thirty-two (32) semester hour program of studies is individually designed by each student’s committee based on (1) the curricular needs and career focus of the student. Areas of concentration typically include developmental learning, integrated curriculum, subject area content and pedagogy, elementary and middle school improvement, or computer education. Students are encouraged to write a thesis in lieu of a comprehensive exam, which may substitute for up to six (6) hours of course work.

Doctoral Degree

The doctor of philosophy (PhD) degree in elementary education emphasizes theory and research in elementary education drawn from the disciplines of anthropology, sociology, philosophy, psychology, and the humanities. The doctorate in elementary education prepares individuals for leadership positions in colleges and universities, local school districts, in-service teacher education for school districts, state departments of education, state and federal government, and educational research and development centers. Since completing a doctoral program in elementary education requires an intensive commitment of time and resources, a doctoral program is designed on a full-time basis. Qualified applicants are eligible for financial support, teaching assistantships, tuition waivers, student housing, and consulting opportunities for teacher education centers. A limited number of fellowships and scholarships from the college and University are also available on a competitive basis.

Admission

Applicants are selected on the basis of the following minimum requirements: 1) a master’s degree from an accredited university; 2) a GPA of 3.0 or better in course work for the master’s degree, and a minimum score of 1000 on the combined (verbal and quantitative) aptitude portions of the GRE; 3) a minimum of three years of professional experience in elementary education; 4) three letters of recommendation; 5) a statement of professional objectives and a writing sample; and 6) an interview with faculty in elementary education. All applicants must submit a GRE score as part of the admission process.

Curricula

The program of study leading to a doctor of philosophy degree in elementary education requires a minimum of forty-eight (48) semester hours of course work, twenty-four (24) semester hours of dissertation credit, and satisfactory completion of a qualifying exam, comprehensive exam, and oral defense of the dissertation. The course work includes a nine (9) semester-hour core of doctoral courses in elementary education; a fourteen to eighteen (14–18) semester hour core in research design and qualitative and quantitative methods; and an interdisciplinary cognate specialization in two areas of elementary education. Students may substitute course work in a content field such as language arts, mathematics, reading, science, or social studies for one cognate specialization.

Definition of Prefixes

CGS Computer General Studies
EDE Education: Elementary
EDS Education: Supervision
MAE Mathematics Education

Graduate Courses

CGS 5112. Using Computer Graphics as an Instructional Tool (3). Prerequisite: CGS 2160, MAS 2103; Corequisite: COP 3001 or permission of instructor. Designed to help teachers of mathematics make a more effective use of computer graphics in their teaching of mathematics. Topics in construction of three dimensional graphics and computer aided design are included. Particular attention will be given to visualization.

CGS 5113. Using Computer Simulation as an Instructional Tool (3). Prerequisite: CGS 5112 or permission of instructor. Designed to help teachers of mathematics use computer simulation as an effective instructional tool in the teaching of mathematics. Particular attention will be given to microprocessors.

EDE 5225. The Elementary School, K–6 (3). Foundations for establishing an elementary school program, including the core curriculum, professional objectives and a writing sample; student housing, and consulting opportunities for teacher education for school districts, state departments of education, state and federal government, and educational research and development centers. Typically, a doctoral program is designed on a full-time basis. Qualified applicants are eligible for financial support, teaching assistantships, tuition waivers, student housing, and consulting opportunities for teacher education centers. A limited number of fellowships and scholarships from the college and University are also available on a competitive basis.


EDE 5346. Technology in Elementary and Middle School (3). Prerequisite: Graduate standing or permission from an instructor. Designed to help professional teachers use technology for the development of higher-order thinking. Emphasis will be given to current trends and issues in technology, such as hypermedia and Internet. Teachers will develop plans for their own classes that are consistent with recommendations for school improvement.


EDE 5526. Systematic Procedures of Observation (3). Techniques for observing student, teacher, and classroom activities and for helping teachers use such data to improve their own behavior.

EDE 5906r. Directed Individual Study (1–3). (SU grade only.) May be repeated to a maximum of twelve (12) semester hours only. (May be repeated to a maximum of twelve (12) semester hours only.) May be repeated to a maximum of fifteen (15) semester hours. A maximum of three (3) hours may apply to the master’s degree.

EDE 5910r. Supervised Research (1–5). (SU grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

EDE 5911r. Thesis (1–6). (SU grade only.) A minimum of six (6) semester hours is required.

EDE 5973r. Specialist in Education Thesis (1–6). (SU grade only.)
EDE 6805. Perspectives of Teacher Professional Development (3). For advanced graduate students preparing for leadership roles, this course is associated with professional development of teachers at preserve, induction, and inservice levels. Model programs will be viewed from historical, sociological, psychological, philosophical, and anthropological perspectives.

EDE 6935r. Doctoral Seminar in Elementary Education (3). (S/U grade only.) Developed to explore a variety of topics related to childhood education, curriculum, teacher education, and other areas relevant to professional preparation and thought. May be repeated to a maximum of nine (9) semester hours.

EDE 6937. Advanced Research Seminar in Elementary Education (3). (S/U grade only.) Prerequisites: EDF 5400; EDF 5402; and EDF 5481 or equivalent. To assist students to master tasks required for a prospectus of a dissertation.

EDE 6980r. Dissertation (1–12). (S/U grade only.)

EDE 8964r. Preliminary Doctoral Examination (0).
EDE 8966r. Master’s Comprehensive Examination (0).
EDE 8968r. Specialist in Education Comprehensive Examination (0).
EDE 8976r. Master’s Thesis Defense (0).
EDE 8978r. Specialist in Education Thesis Defense (0).
EDE 8985r. Dissertation Defense (0). (P/F grade only.)
EDS 5356. Supervision of Associate Teaching (3). (S/U grade only) Prerequisites: EDF 2160 and six (6) semester hours of 3000 or above mathematics. A study of methods and techniques for student teaching and practical laboratory experience included.

MAE 5318. The Topics and Teaching of Elementary School Mathematics (4). A study of mathematics learning, mathematics teaching strategies, and mathematics curriculum and instruction at the elementary school mathematics level.

MAE 5655. Computers in Mathematics Education (3). Prerequisites: CGS 2160 and six (6) semester hours of 2000 or above mathematics. A study of methods and techniques for using the computer in mathematics education and/or precollege mathematics classroom instruction.

READING AND LANGUAGE ARTS

Professors: Palmer, Scott-Simmons; Associate Professor: Piazza; Assistant Professors: Conner, Hudson

The primary goal of reading education and language arts is to prepare professionals to work at various levels of school. These courses include the study of language, literature, and communication processes of reading, writing, speaking, and listening. Students become proficient in these areas and use this knowledge in their classroom instruction and assessment. The master’s degree program is designed for persons aspiring to be master classroom teachers, reading specialists, resource teachers, and reading and language arts consultants.

Admission

Admission to the master of science program is based upon the applicant’s previous academic performance, aptitude for graduate study, and teaching certification held; teaching experience is desirable. However, applicants will not automatically be accepted based on any single criterion; the faculty committee will consider evidence of the following: 1) a baccalaureate degree from an approved institution; 2) a GPA of 3.0 or better in the last two years of undergraduate study, and a minimum combined verbal and quantitative score of 850 on the Graduate Record Examination (GRE); 3) certification in a field of education; and 4) successful teaching experience.

Curricula

The specialization in reading education and language arts leading to the master’s degree requires thirty-three (33) semester hours of course work, including a core of five required reading certification courses and six additional courses to fulfill the master’s degree.

Specialist in Education

The specialist in education degree is designed to meet advanced certification requirements and to prepare individuals for leadership roles in reading and language arts programs. Students who pursue a specialist degree choose from the same curricular options as those in the master’s program but combine these courses with others available in the college and University. Students aspiring to be reading and language arts specialists study current theory and research and ways of applying this knowledge in clinical or field-based projects, public schools, community literacy programs, and state departments of education. Each program of study is tailored to the student’s experience and professional aims. As part of this program, the student may elect to write a thesis or complete six (6) semester hours of supervised research.

Admission

Requirements for entrance to the specialist degree are: 1) a master’s degree from an accredited university; 2) a GPA of 3.5 or better in the master’s degree course work, or a minimum score of 850 on the combined aptitude portions of the GRE; and 3) a minimum of two years teaching experience or related professional experience. The applicant must submit a statement of professional objectives and a GRE score as part of the application process. Prior certification in a field of education is required.

Curricula

The program of study leading to the specialist in education degree in reading education requires a minimum of thirty-three (33) semester hours of course work including from fifteen to eighteen (15–18) semester hours in reading and language arts, an internship in an agency concerned with literacy education, and a course in methods of educational research. A thesis on a topic within reading and language arts is also required.

Doctoral Degree

The doctor of philosophy (PhD) degree in reading education emphasizes scholarly work in theoretical disciplines such as psychology, linguistics, sociological, and anthropological. From a disciplinary perspective, students select a content specialization such as reading theory, acquisition, comprehension, children’s literature, written composition, or adult literacy and address it from the standpoint of teaching and learning, development, or policy-making. Students study key research in the selected field of study, practice appropriate inquiry methods, and demonstrate the capacity to carry out independent scholarly investigation. The program is designed for persons aspiring to be college professors, scholars, researchers, or educational policymakers.

Admission

Applicants must provide evidence of: 1) a master’s degree from an accredited university; and 2) a 3.5 GPA or better in the master’s degree course work, and a minimum score of 1000 on the combined aptitude portions of the GRE; and 3) a minimum of three years of professional experience in the field or a related field. Additionally, applicants must submit a vita, a statement of professional objectives, writing samples, a GRE score, and three letters of professional recommendation. An interview with the reading and language arts faculty is also required.

Curricula

The program of study leading to the doctor of philosophy degree in reading education requires forty-eight to fifty-eight (48–58) semester hours of course work and twenty-four (24) semester hours of dissertation credit. The course work includes research design and methods courses, foundation courses, a required core of twelve (12) semester hours, and selection of one of the following strands: reading theories and processes, clinical studies in reading and language arts, reading in the secondary school curriculum, adult literacy, children’s literature, language and writing, or integrated curriculum studies in language arts.

Definition of Prefixes

LAE — Language Arts and English Education
LIS — Library and Information Studies
RED — Reading Education

Graduate Courses

LAE 5319. Teaching Oral and Written Expression in the Elementary School (3). Observation, instruction, and evaluation of oral and written language in the elementary language arts classrooms.

LAE 5349. Language and Literacy Development through Storytelling/Storywriting (3). An advanced course in language education considers the theoretical underpinnings related to the storytelling process and educational benefits of storytelling/storywriting. Course focuses on storytelling as an excellent vehicle for promoting and integrating the language processes of listening, speaking, reading, and writing in the classroom setting. Digital storytelling (technology integration) strategies will be included.

LAE 5415. Investigation in Children’s Literature (3). Review of the various areas of children’s literature, recent trends in children’s books, and research related to curriculum, reading interests, student’s responses to literature, and development of taste in literature. Literature appropriate for children born to 14 is required experience.

LAE 5515. Language and Literacy Assessment (3). Explores conventional and alternative forms of language and literacy assessment. Provides practice doing portfolio and performance assessments.

LAE 5738. Linguistic Research in Language Education (3). The purpose of this course is to overview the contributions of multiple disciplines to the study of language, literacy, and schooling.

LAE 5931r. Special Topics in Elementary Language and Literature (1–3). Provides examination of in-depth issues related to elementary education curriculum in language and literature. May be repeated to a maximum of nine (9) semester hours.

LAE 6746. Theory and Research in Language Education (3). The advanced course in language education considers the psycholinguistic and sociolinguistic bases of language and the various methods for studying language; reading, writing, hearing, and speaking.

LIS 5566. Multicultural Literature and Information Resources for Children and Young Adults (3). Course identifies and evaluates multicultural literature and information
resources for children and young adults in relation to ethnicity and culture of ethnic minorities in the United States. Students will locate issues, read, evaluate, and develop strategies to use multicultural literature and other resources to meet information needs of children and young adults.

LS 5567: International Literature for Children and Young Adults (3). Course provides graduate students an opportunity to read and evaluate literature for children and young adults from an international perspective, that is, literature originating in a nation other than the United States.

RED 5109: The Development and Assessment of Emergent Reading (3). A review of the beginning stages of literacy and ways adults can foster a child’s development.

RED 5147: Foundations of Developmental Reading (3). A course to help classroom teachers, reading specialists, and other educators seek answers to some of the problems related to reading needs of children of varying abilities.


RED 5385: Teaching Reading to Adult Illiterates (3). Application of the reading process to ABE curriculum. Provides practitioners, administrators, and researchers with theoretical knowledge related to whole language and literacy education. Practicum included.

RED 5546: Diagnosis of Reading Disabilities (3). Prerequisite: RED 4510 or 5147. Review of various types of reading problems and techniques for diagnosing these problems. Study of a variety of model diagnostic cases.

RED 5549: Core Corrective Reading (3). A review of the teaching of reading disabilities. Prerequisite: RED 4510 or 5147. Provides teachers, reading specialists, and other educators with theoretical knowledge and expertise related to current procedures and instructional strategies for correcting reading disabilities.

RED 5864: Trends and Issues in Reading (3). Prerequisite: RED 5450 or 5147. Exploration of current issues and trends in the teaching of reading with emphasis on developmental aspects, present practices, and implications of research in reading.

RED 5865: Leadership Practicum in Reading and Language Arts (3). A practicum designed to provide individualized practicum experiences in educational agencies for advanced graduate students in reading and language arts.

RED 5906r: Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours. A maximum of three (3) hours may apply to the master’s degree.

RED 5911r: Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

RED 5945r: Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

RED 5947r: Seminar and Practicum in Reading and Language Arts (3). (S/U grade only.) This course is designed to provide field-based experience in public setting in conjunction with an on-campus seminar. Core readings will be discussed.

RED 5971r: Thesis (1–5). (S/U grade only.) A minimum of six (6) semester hours must be completed.

RED 5973r: Specialist in Education Thesis (3–6). (S/U grade only.)

RED 6747: Theory and Research in Reading (3). Prerequisite: RED 5147. Development of a broad knowledge of the research in reading and the ability to critically analyze and interpret studies in the field of reading.

RED 6938r: Doctoral Seminar in Reading and Language Arts (1–3). (S/U grade only.) Provides doctoral students with knowledge and awareness of the professional environment within which they will practice. The resources of the University, professional organizations, professional skills such as grant writing, publication, and trends and issues in the field will be considered. May be repeated to a maximum of nine (9) semester hours.

RED 8908r: Dissertation (1–12). (S/U grade only.)

RED 8964r: Preliminary Doctoral Examination (0). (P/F grade only)

RED 8966r: Master’s Comprehensive Examination (0). (P/F grade only)

RED 8968r: Specialist in Education Comprehensive Examination (0). (P/F grade only)

RED 8976r: Master’s Thesis Defense (0). (P/F grade only)

RED 8978r: Specialist in Education Thesis Defense (0). (P/F grade only)

RED 8985r: Dissertation Defense (0). (P/F grade only)

SPECIAL EDUCATION

Associate Professors: Edwards, Hanline, Lewis, Menchetti; Assistant Professor: Al Otaiba, Correa-Torres, Delano, Rosenbaum; Visiting Assistants: O’Farrell, Rivera; Courtesy Instructor: L. Jones

The purpose of the graduate program in the Department of Special Education is to prepare professionals to respond to the unique needs of children, youth, and adults with disabilities. The department offers master’s degrees in the areas of emotional disturbances/learning disabilities, mental disabilities, visual disabilities, and rehabilitation counseling; a noncategorical education specialist (EdS) degree; and doctoral degrees in special education (PhD or EdD) and rehabilitation counseling (PhD).

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.

The following are offered by the Department of Special Education:

- Emotional disturbance/learning disabilities
- Mental disabilities
- Rehabilitation counseling
- Special education
- Visual disabilities

Certificate in early childhood/special education

Master’s Degree Programs in Special Education

Emotional Disturbances/Learning Disabilities

This is a three-year program that starts with the junior year and culminates at the end of the third year with the award of a bachelor’s and master’s degree. For details, refer to the General Bulletin. Individuals wishing to enter the master’s degree program directly should see the program coordinator for individual counseling. The course work and the length of the program would depend upon the individual’s prior academic preparation.

Mental Disabilities

The mental disabilities preparatory program (with a major in mental disabilities) prepares professionals who wish to teach individuals with moderate, severe, or profound mental disabilities. The program of study is individually designed for students based on previous experience and course work. This is not an initial teacher preparation program.

Visual Disabilities

This program is designed as a leadership program with emphasis in three areas of specialization. These are: classroom teaching, orientation, and rehabilitation teaching. The program of study is designed for adults who are blind. Applicants who do not have an undergraduate degree in visual disabilities or meet Florida teacher certification in visual disabilities and plan to work with children must take prerequisites that are essential to the understanding of the field. In addition to course work, the student is required to have practical experiences. The program of study and the length of the program is based upon the applicants' prior academic preparation and interests.

Areas of Emphasis

It is possible to emphasize the following with elective course work in special education:

- Autism
- Early childhood special education
- High incidence disabilities
- Low incidence disabilities
- Severe or profound disabilities
- Technology in special education
- Transition and community inclusion
- Visual disabilities

Admission Requirements for Special Education

Applicants must meet University and College of Education admission requirements, submit three letters of recommendation, and be interviewed by program faculty.

Master of Science Rehabilitation Counseling (MS)

The master’s degree in rehabilitation counseling is specifically designed to prepare graduate-level students to enter the field of rehabilitation counseling. It is a five semester, sixty (60) semester hour program. The curriculum provides for breadth in the knowledge and skills necessary to be a rehabilitation counselor. One of the course work involves development and application of skills in working with clients. Persons with the master of science (MS) degree work in state rehabilitation agencies, nonprofit organizations, and for-profit rehabilitation companies. Many students are hired during the full-time internship of their last semester. Since the program is accredited by the Council on Rehabilitation Education, students are eligible to take the national certification examination during their last semester of coursework.

The master’s degree in rehabilitation counseling is generally accepted in states that currently have counselor licensure laws. However, the completion of two to three years of appropriate supervised post-graduate clinical experience is required. Additional course work may be required. Students who wish to seek licensing should consult the specific state standards and requirements. It is the student’s responsibility to ensure that their selected course work and program of study meet licensing requirements.

Admission Requirements for Rehabilitation Counseling

All applicants must at least meet the minimum State Board of Education requirements for undergraduate grade point average and/or Graduate Record Examinations scores. Each degree offering may set different standards for admission based on programmatic objectives and the applicant pool. A formal application for graduate study may be initiated by doing the following: 1) official graduate application to The Florida State University (send to office of graduate admissions); 2) three letters of reference; 3) an autobiographical statement; 4) a current resume; and 5) a statement of how the degree sought can meet personal/professional goals. All items except the official graduate application should be
sent directly to the program admissions committee. For information concerning particular degree offerings or admissions contact: Chair of Admissions, Rehabilitation Counseling Services, 215 Stone Building, The Florida State University, Tallahassee, FL 32306-4458.

Specialist in Education Program (Eds) – Special Education

The specialist in education is an advanced master’s degree with admission requirements identical to the master’s degree. In most cases, applicants for this EdS would already hold a master’s degree in an area of special education. The purpose would be to expand their skills and knowledge in their current area of preparation or to extend their skills and knowledge to another area of special education. The EdS is described in more detail in the “College of Education” chapter of this Graduate Bulletin.

Doctoral Programs in Special Education

The doctoral program in special education is a comprehensive program designed to prepare selected individuals to serve in leadership roles in the education of individuals with disabilities. The program consists of preparing individuals in three core areas: administration, university teaching, and research. Each student is expected to develop minimum knowledge and skills in each of the three core areas, although the student can emphasize one of the three. It is possible to earn either the doctor of philosophy (PhD) or the doctor of education (EdD). Individuals admitted in the doctoral degree program should contact the department to request a booklet that explains admission requirements, course of study, financial assistance available, and research interests of the graduate faculty.

Doctor of Philosophy (PhD) in Rehabilitation Counseling

The Doctor of Philosophy, Degree (PhD) in Rehabilitation Counseling is designed to prepare individuals to function in a variety of interrelated leadership roles, such as educator, researcher, supervisor, and administrator. It is expected that students graduating from the program will develop competencies in each of the above areas. The application of psychological principles to promote educational attainment, career development, personal adjustment, and human development, in both individual and group/organizational settings, is the primary knowledge base of the degree program. Students entering the program are expected to have demonstrated academic ability and skill in service provision, as well as the potential to develop research and leadership skills. The acquisition of both knowledge and skills by students is achieved through a balance of didactic, experiential course work and supervised practice. Graduates are typically employed in professional positions as university faculty, counselors in university counseling centers and rehabilitation facilities, student services administrators, administrators in public and private agencies, organizational consultants and trainers, researchers, evaluators and planners of human service programs.

Definition of Prefixes

EED — Education: Emotional Disorders
EEX — Education: Exceptional Child- Core Competencies
EGI — Education: Gifted
ELD — Education: Specific Learning Disabilities
EMR — Education: Mental Retardation
EPO — Education: Physical and Multiple Handicapped
EVI — Education: Visually Impaired-Blind
IDS — Interdisciplinary Studies
MHS — Mental Health Services
RCS — Rehabilitation Counseling Services

Graduate Courses

EED 5223. Advanced Study of Emotional Disturbance (3). Theoretical and practical issues and instructional strategies for the emotionally disturbed.

EED 5320. Precision Teaching Methods for Emotional Disturbances (3). Techniques for using direct, daily, and continuous measurement in the assessment and instruction of youth with academic and emotional/behavioral problems.


EEX 5017. Typical and Atypical Early Development (3). Focuses on typical and atypical development in the early years.

EEX 5234. Development and Assessment of Individuals with Severe Disabilities (3). This course provides participants with the knowledge and skills necessary to assess and intervene with individuals with severe disabilities.

EEX 5235. Instructional Environments: Ethical, Legal, Safety, and Classroom Management Considerations (3). This course focuses on developing knowledge and skills necessary to organize the physical, social, and instructional environment of a classroom that includes a heterogeneous group of learners.

EEX 5237. Methods for Teaching Students with Low Incidence Disabilities. This course offers an overview of curriculum and instructional needs of students with low incidence disabilities.

EEX 5245. Introduction to Special Education Technology (3). Prerequisite: EEX 1010. Introduction to ways technology (computers) is used with special education students.

EEX 5248. Positive Behavior Support (3). This course provides participants with the knowledge and skills necessary to develop, implement, and evaluate the impact of positive behavior supports in keeping with the Individuals with Disabilities Education Act of 1997.

EEX 5258. Advanced Reading Instruction for Students with Disabilities. This course examines methods for assessing and teaching reading skills to individuals with disabilities.

EEX 5285r. Seminar in Transition (3). Addresses the range of post-secondary services, employment training programs and community living and recreation. Available to adults with disabilities. May be repeated to a maximum of six (6) semester hours.

EEX 5286. Preparing Individuals for Transition (3). Planning and implementing appropriate transition services for youth with disabilities in the public schools.

EEX 5298. Teaching Students with Autism (3). This course provides class participants with the knowledge and skills necessary to develop, implement, and evaluate intervention for individuals with autism spectrum disorders.

EEX 5455. Assessment and Methods in Early Childhood Special Education (3). Prerequisite: EEX 5017. Focuses on formal and informal evaluation techniques and individualization instruction for young children with disabilities.

EEX 5456. Program Development for Young Children with Disabilities (3). Focuses on issues related to providing comprehensive educational and developmental services for young children.

EEX 5521. Leadership Skills in Exceptional Education (3). Designed to study problems of public attitudes, personnel preparation, and policies involving special individuals. Special emphasis is placed on identification of pupils and their special needs as they pertain to education services for exceptional children and youth.

EEX 5740. Preparing Individuals for Child Maltreatment (3). This course focuses on the topic of child maltreatment and its impact on students and professionals.

EEX 5836. Practicum with Students with Autism Spectrum Disorder (1-3). This course provides participants with experience developing, implementing, and assessing intervention programs for learners identified as having autism spectrum disorder. May be repeated to a maximum of three (3) semester hours.

EEX 5841r. Field Laboratory Internship (1–12). (S/U grade only.) A practicum course covering specific areas of in-depth field experiences in special education. May be repeated to a maximum of twelve (12) semester hours. Offered fall and spring semesters only.

EEX 5844r. Leadership Practicum in Special Education (3). A practicum designating the graduate student with experience in a leadership role in one or more settings involved in the administration, supervision, or coordination of special education programs. May be repeated to a maximum of nine (9) semester hours.

EEX 5866r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

EEX 5906r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours. Not offered summer term.

EEX 5913r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

EEX 5920r. Pre-Student Teaching Seminar (1). (S/U grade only.) This course prepares students for student teaching. Paperwork requirements, as well as professional behavior and ethics, are covered.

EEX 5931r. Special Topics in Special Education (1–3). A variety of investigations of a variety of topics in special education. May be repeated to a maximum of nine (9) semester hours.

EEX 5940r. Practicum in Early Childhood Special Education (3). Experienced in working with atypical infants, toddlers, preschoolers, and their families. May be repeated to a maximum of six (6) semester hours.

EEX 5943r. Practicum in Transition (3). Students are given an opportunity to directly apply their skills in one of several transitional programs in the schools or the community. May be repeated to a maximum of twelve (12) semester hours.

EEX 5971r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.

EEX 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.

EEX 6101r. Seminar: Research Problems in Special Education (1). (S/U grade only.) A seminar focusing on current research topics drawn from broad areas associated with special education. May be repeated to a maximum of six (6) semester hours.

EEX 6306. Design and Preparation of Research in Special Education (3). Development of research topics and methodology.

EEX 6341. Critical Review of Special Education Research (3). Analysis and synthesis of research areas relating to exceptional individuals.

EEX 6342. Seminar: Readings in Education, Training, and Treatment of Exceptional Individuals (3). Comprehensive study of special education literature in a variety of areas.


EEX 6911r. Seminar in Early Childhood/Exceptional Education (3). May be repeated to a maximum of twelve (12) semester hours.

EEX 6935r. Doctoral Seminar in Special Topics (1–3). (S/U grade only.) Investigation of a variety of topics in special education. May be repeated to a maximum of six (6) semester hours.

EEX 6940r. Practicum in Early Childhood Special Education (3). May be repeated to a maximum of six (6) semester hours.

EEX 6980r. Dissertation (1–12). (S/U grade only.)

EEX 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

EEX 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

EEX 8971r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

EEX 8976r. Master’s Thesis Defense (0). (P/F grade only.)

EEX 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)

EEX 8985r. Dissertation Defense (0). (P/F grade only.)

EGI 5936. Seminar for Teachers of the Gifted (3). Prerequisite: Permission of instructor. A critical review of research and practices in the special education of the gifted and talented and their teachers.

EGI 5940. Mentors Practicum for the Gifted (5). Focuses on the relationship of the gifted student and mentor. Emphasis is placed on establishing and maintaining a mentoring relationship in a variety of environments.

EGI 5941. Advanced Study of Learning Disabilities (3). Comparison of strategies, methods, and materials for teaching LD students and their philosophical bases are studied. Particular attention is given to various applied and theoretical models.

EMR 5235. Teaching the Student with Profound Disabilities (3). Knowledge and skills to implement and evaluate intervention for students with profound disabilities.
EMR 5803. Advanced Practicum in Mental Disabilities (2). This course will provide participants with field experience in the development, assessment, and instruction of individuals with severe and profound disabilities. May be repeated to a maximum of six (6) semester hours.

EMR 5935. Individualized Practicum in Mental Retardation Topics (3). Advanced study of mental retardation in specific topical areas.

EPH 5312. Educational Management of the Physically Handicapped (3). Prerequisite: ERM 4011. Educational methods and materials for children and youth with cerebral palsy and other physical and motor disabilities. Clinical (field) experience is required.

EVI 5019. Foundations of Rehabilitation Teaching of the Blind (3). This course presents an overview of the rehabilitation teaching profession and provides practical experience in the basic procedures of rehabilitation teaching. Students obtain an understanding of the role of the rehabilitation teacher, and learn to design and deliver instruction to visually impaired students.

EVI 5121. Advanced Assessment of the Visually Handicapped (3). Teaches students to deal effectively with the assessment of the visually impaired child and adult.

EVI 5131. Teaching Deaf-Blind/Multisensory Impaired Individuals (3). Skills and knowledge to teach deaf-blind/multisensory impaired individuals.

EVI 5221. Teaching Orientation and Mobility for the Visually Impaired (3). Corequisite: EVI 4520. Course focuses on developing an awareness and understanding of the complexities of movement without sight and techniques that can increase orientation and independent movement within the environment for the population of individuals with visual impairment. O/M majors only.

EVI 5222. Teaching Orientation and Mobility for the Visually Impaired (3). Prerequisite: EVI 5221. Advanced practicum for majors in mobility education. Further development of teaching and observational skills and direct experience teaching individuals with visual impairments. O/M majors only.

EVI 5325. Methods of Independent Living of the Blind (3). This course is designed to teach students techniques of daily living for persons with vision loss, methods of writing lesson plans for the adapted curriculum, and opportunities to teach the skills learned in class.

EVI 5315. Teaching Communication Skills to Visually Impaired Adults (3). This course has a threefold purpose. Students will develop skills in reading, writing and teaching Braille to adults. Students will learn adaptive techniques of communication in multimedia, use of tape recorders, and management of print materials. The third area addressed in this course trains students to assess the communication needs of individuals with low vision, in order to work with them more effectively.

EVI 5316. Low Vision (3). Prerequisite: EVI 4121 or equivalent. The purpose of this course is to prepare professional teachers of students with low visual impairments, orientation and mobility specialists, and rehabilitation teachers for facilitating the 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 vision devices.

EVI 5325. Technology for Individuals with Visual Impairment (3). This course is designed to acquaint students with a variety of electronic hardware and software alternatives that are utilized by individuals with visual impairments to access information in school, home and vocational environments. This course will include lecture, demonstration, peer-teaching, and hands-on activities.

EVI 5332. Social and Vocational Implications of Recreation and Leisure for Visually Impaired (3). This course is designed to demonstrate the physical, psychological, social, and vocational purposes of recreation and leisure activities within education and rehabilitation programs for persons with visual impairments.

EVI 5931. Seminar in Visual Disabilities (3). Current topics in the field of visual disabilities. May be repeated to a maximum of six (6) semester hours.

EVI 5935. Studies in Research on Individuals with Visually Impaired (3). This course is designed to familiarize students with the published literature related to providing services to individuals with visual impairments and to furnish students with the necessary background to pursue research in this field, common design strategies, research and analysis tools used, and methods for analyzing the quality of published research.

EVI 5942. Student Teaching in Visual Disabilities (12). (S/U grade only.) Prerequisite: EVI 4230 or equivalent. Students teach students with visual disabilities for one semester within a public school or residential school setting, full-time and under supervision of an experienced and certified teacher of students with visual impairments.

IDS 5347. Infant and Toddler Typical and Atypical Development (3). This course provides participants with the knowledge and skills needed to meet the needs of children from birth to 3 years of age, with particular attention paid to the impact of disabilities and risk factors on development.

IDS 5348. Infant/Toddler and Family Assessment (3). This course provides participants with the skills to collaboratively develop, implement, and assess family-centered early intervention services that are provided within natural environments.

IDS 5349. Infant/Toddler and Family Assessment (3). This course provides participants with knowledge of the processes of assessing infant and toddler development and family functioning in order to develop meaningful intervention programs within natural environments.

MHS 5801r. Practicum in Counseling and Rehabilitation (4). Students receive intermediate training in counseling in the human services field, through direct client contact, role play, instruction, and observation. May be repeated to a maximum of sixteen (16) semester hours.

MHS 5806. Directed Individual Study (1–4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) semester hours may apply to the master’s degree.

MHS 5905r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours. A maximum of three (3) semester hours may apply to the master’s degree.

MHS 6100. Advanced Group or Individual Counseling Practicum (4). Intensive practice in counseling, consisting of closely supervised practical experience and critique of students practice. May be repeated to a maximum of sixteen (16) semester hours.

MHS 8900r. Dissertation (1–12). (S/U grade only.) A maximum of six (6) semester hours.

CHINESE SEE: Asian Studies; Modern Languages and Linguistics

CIVIL CONSTRUCTION ENGINEERING see Civil and Environmental Engineering

Department of CIVIL AND ENVIRONMENTAL ENGINEERING

FAMU—FSU COLLEGE OF ENGINEERING

Interim Chair: Kamal S. Tawfiq; Professors: Dzurik, Hall, Nnaji, Ping, Wekezer, Yazdani; Associate Professors: Lesczynska, Mtenga, Mussa, Sobanjo, Spainhour; Assistant Professors: Abdel Razig, Abdullah, Abichou, Chan Hilton, Huang

The department offers a master of science (MS) and a doctor of philosophy (PhD) program with concentrations in structural, geotechnical, traffic and transportation, construction, water resources and environmental engineering. Special areas of emphasis in civil engineering are bridge design, coastal construction, structural stability, and structural reliability; geotechnical, pavements, and soil dynamics; transportation and multimodal systems; and computer-aided design and decision support as well as the integration of physical and numerical models of civil engineering systems. In environmental engineering, the focus is on hydraulics, hydrology, groundwater, water resources, and the management of all waste systems.

The college has many instructional and research laboratories. Specific laboratories for the Department of Civil and Environmental Engineering are geotechnical, environmental, hydraulic, pavement, construction materials, and structural engineering laboratories. Geotechnical laboratory facilities include equipment for soil classification, compaction, hydraulic conductivity, slurry evaluation, shear strength, and compressibility of soils. Electronic data acquisition systems, personal computers, sampling devices, and a machine shop are also available for student use.
The environmental engineering laboratories include both an undergraduate teaching lab and a graduate research lab. The facilities include equipment and instrumentation needed for physical and chemical analysis of water quality, sampling, and filtering devices, and space for bench scale experiments.

The hydraulic laboratory is used by students to reinforce the basic concepts of hydraulics and become familiar with hydraulic equipment and instrumentation, and to learn procedures of data collection and analysis. Students can perform experiments of hydrostatic pressure, hydrostatic forces on submerged bodies, flow measurement, friction in pipe flow, pump power, open channel flow, hydraulic jump, and wave mechanics.

Pavement laboratory facilities include equipment for resilient modulus characterization of highway materials (MTS Load System, TestStar Control Unit, Triaxial Testing System, and Compaction Set). Electronic data acquisition systems, PC computers, and pavement engineering software systems are available for research and instructional use.

Construction materials laboratory facilities include equipment for compression strength testing, MTS testing machine, and concrete test equipment. A support for high quality research in developing and testing innovative structural systems for bridges, buildings, etc. The laboratory is equipped with state-of-the-art vertical and lateral loading systems, together with automated data acquisition systems.

The department is developing a corrosion research laboratory, the central component of which is a computer controlled corrosion monitoring system, which is capable of accelerating corrosion, measuring corrosion rate, and estimating corrosion potential. The department also has an infrared camera for non-destructive evaluation (NDE) of structures. This equipment is used to investigate the deterioration of structures and the effectiveness of various repair techniques.

**Computer and Other Resources**

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 Institute for Transportation Technologies (ITIT), which is well equipped with the state-of-the-art, high-performance computing environment to pursue transportation related research. The equipment includes a Sun UltraSPARC Sun 2000 technical server with sixteen parallel processors, and a cluster of workstations for fast visualization, pre and post-processing. This advanced computing environment is available primarily to graduate students working as research assistants with departmental faculty. The department also has a Sun UltraSPARC workstation that is used for environmental engineering research.

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), FSU Academic Computing and Network Services (ACNS), SYSnet Computing Services.

Other resources include a small collection of reference works and heavily used books and journals which are a part of the College of Engineering Reading Room/Library services. Students may also participate in engineering clubs such as the National Society of Black Engineers (NSBE), Society of Women Engineers (SWE); American Society of Civil Engineering (ASCE); and the Engineering Honor Society, Tau Beta Pi.

**Master’s Admission Requirements**

Admission requirements for the MS program include the following:

1. A baccalaureate degree in civil engineering, or an allied academic discipline, from an accredited college or university.
2. International students must have a BS in civil engineering from a recognized academic institution;
3. Good standing in the academic institution last attended;
4. A grade point average (GPA) of 3.0 on a 4.0 scale, on all work attempted while registered as an upper division student (beyond sixty [60] semester semester hours of undergraduate work);
5. A minimum score of 1000 on the combined verbal and quantitative portions of the general aptitude test of the Graduate Record Examination (GRE); and
6. The following minimum score on the Test of English as a Foreign Language (TOEFL) for all international applicants whose native language is not English: 550 on the regular test or 213 on the computer based test.

**Doctoral Admission Requirements**

Admission requirements for the PhD degree include the following:

1. An MS degree in civil or environmental engineering or a closely related field;
2. A grade point average (GPA) or 3.0 on a 4.0 scale for all undergraduate and graduate work;
3. A minimum score of 1100 on the Graduate Record Exam (GRE) for combined verbal and quantitative portions;
4. A minimum score of 550 or 213 on the computer based version on the Test of English as a Foreign Language (TOEFL) if their native language is not English;
5. Three (3) letters of recommendation;
6. An essay of intent stating goals and reasons for pursuing the PhD degree; and
7. If feasible, an interview by the Graduate Committee or its representatives.

**Master’s Degree Requirements**

The thesis option requires twenty-four (24) semester hours of course work and six (6) semester hours of thesis work. A nonthesis option requires thirty (30) semester hours of course work and three (3) semester hours of independent research or advanced design project work.

Both options require a final oral examination in which the student defends a thesis or project. The general course requirements include 12–15 hours in the depth area, six to nine hours in supplementary electives and three hours of advanced mathematics or statistics. Students also must register in a non-credit graduate seminar course each semester. A maximum of six (6) semester hours of graduate course work, in which the student earned a grade of “B” or better, may be transferred from another program. Courses sponsored by other universities, taken through the Florida Engineering Education Delivery System (FEEDS) should account for no more than fifteen percent (50%) of the student’s course work. Each individual program is designed with the approval of a major advisor and a supervisory committee. The general course requirements for both options are given below.

**Course Distribution**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>PhD Thesis</th>
<th>Non-Thesis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth area</td>
<td>12–15</td>
<td>12–15</td>
</tr>
<tr>
<td>Supplemental electives</td>
<td>6–9</td>
<td>12–15</td>
</tr>
<tr>
<td>Advanced mathematics</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Thesis with oral defense</td>
<td>6</td>
<td>N/A</td>
</tr>
<tr>
<td>Non-theses project with oral</td>
<td>N/A</td>
<td>3</td>
</tr>
<tr>
<td>Defense</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Total credit hours required for the master’s degree</td>
<td>30</td>
<td>33</td>
</tr>
</tbody>
</table>

**Doctoral Degree Requirements**

The program of study for the PhD degree is flexible and depends on the individual student’s background and objectives. A student may specialize in any of the several areas that are offered in the department. In addition to the specialty courses, the student must have a minor consisting of at least nine (9) semester hours from another department. Each student’s specific program of study is uniquely tailored through consultation with an advisory committee that the student selects. The objectives of course selection are to develop a broad-based understanding of engineering and science, and to gain fundamental contemporary capabilities in an area of concentration necessary to conduct significant and original scholarly research.

A student must choose a major professor by the second semester of enrollment in the PhD program. If a student has not chosen a major professor prior to this time, a professor approved by the graduate committee chair will act as the student’s major professor. The major professor is formally appointed by the department chair and will serve as chair of the supervisory committee. The supervisory committee is formally appointed by the department chair at the request of the major professor. There must be a minimum
of three committee members, including the major professor. One member must be from outside the department, representing the student’s minor. The committee supervises the student’s work until all degree requirements are completed, and is responsible for an annual written assessment of the student’s progress. This assessment shall be made available to the student, the coordinator of graduate studies and the chairperson.

The student will prepare, with the approval of the doctoral supervisory committee, a complete plan of study to be submitted to the graduate committee within the first year of the program and to be retained on file in the department. The plan should identify the courses necessary to meet the following semester hours of course requirements and a time schedule for taking them. Degree requirements for PhD students are outlined below.

The PhD course requirements include nine (9) hours in a student’s depth area, nine (9) semester hours beyond the master’s degree in supplementary electives, nine (9) semester hours in a non-departmental minor area and twenty-four (24) semester hours of original dissertation work. Students also must register for a noncredit graduate seminar course each semester.

Students admitted with: MS Degree BS Degree

- MS Requirements 0 30
- Depth area 9 9
- Supplementary electives 9 9
- Minor courses 9 9
- Dissertation 24 24
- Graduate Seminar 0 0

Total credit hours for the PhD degree 51 81

A residency requirement ensures that the doctoral students contribute to and benefit from the complete spectrum of educational, professional, and enrichment opportunities provided by the College of Engineering. After thirty (30) semester hours of graduate work, or being awarded the master’s degree, the student must be present on campus for the final examinations. The College of Engineering, Department of Civil and Environmental Engineering for a minimum of twenty-four (24) graduate semester hours in any period of twelve (12) consecutive months.

Following completion of a major portion of the course work defined in an approved plan of studies, the doctoral supervisory committee must issue certification that the student has maintained a minimum of 3.0 GPA; demonstrated sufficient progress towards mastery of a sub-discipline; and, has developed a command of requisite research tools to begin independent research in the area of the proposed dissertation. Once certified, students will be permitted to take a doctoral preliminary examination.

The preliminary examination will be a written and oral exam prepared by the student’s supervisory committee. The exam will be administered by the committee near the end of or after completion of the student’s course work and will comply with the requirements of the college and the university only upon which the student is registered. The examination committee shall report the outcome to designated college and university authorities as: “passed,” “failed,” “additional work to be completed,” or to be reexamed. Students are admitted to candidacy for the PhD degree only after passing this examination. If any student requires re-examination, the outcome can only be reported pass or fail. Any students who fails re-examination is dismissed from the program. Upon successful completion of the doctoral preliminary examination, students may register for the doctoral dissertation.

The most important element of the doctoral program is original and fundamental research resulting in a doctoral dissertation. The research problem is selected by the student in consultation with the major professor and the student’s doctoral supervisory committee. The dissertation must be completed on a topic approved by the committee. To be acceptable, it must comprise original research constituting a significant contribution to knowledge and represent a substantial scholarly effort on the part of the student. The defense of the dissertation will be oral. The doctoral supervisory committee and other members of the faculty as appointed by the academic dean or specified by the university regulations will conduct the examination. Publication of the dissertation shall conform to the regulations of the university through which the student is registered.

Applicants holding degrees in areas other than civil engineering, or closely allied fields, will be required to take course work beyond the minimum requirements for the master’s degree. Graduation requirements include a cumulative grade point average of 3.0 or better and the successful defense of a thesis or project report for the master’s degree and a grade point average (GPA) of 3.0 or better and the successful defense of dissertation for the PhD degree. All of the above requirements must be met within seven (7) calendar years.

Assistantships/Financial Aid

Students may be supported through research or teaching assistantships on a competitive basis. Most graduate students currently hold half-time assistantships equivalent to 20 hours per week. Graduate assistants also receive tuition waivers from the universities on a competitive basis. Inquiries about research assistantships should be made to the professor directing an individual research project of interest to that student. Please visit the department website to learn more about individual faculty research. The department chairman should be contacted about prospects of teaching assistantships. For other financial and scholarship opportunities contact FAMU at (850) 599-3730 or e-mail at finaid@famu.edu, or FSU at (850) 644-5716 or email at finaid@fsu.edu.

Contact the admissions office for application materials. For information on financial assistance contact the Department of Civil and Environmental Engineering, FAMU—FSU College of Engineering, 2525 Pottsdamer Street, Tallahassee, Florida 32310-6046, Telephone: (850) 410-6136.

Definition of Prefixes

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Definition</th>
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<tbody>
<tr>
<td>CCE</td>
<td>Construction Engineering</td>
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<tr>
<td>CEG</td>
<td>Civil Engineering</td>
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<tr>
<td>CES</td>
<td>Civil Engineering Structures</td>
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<tr>
<td>CGN</td>
<td>Civil Engineering</td>
</tr>
<tr>
<td>CWR</td>
<td>Civil Water Resources</td>
</tr>
<tr>
<td>ENV</td>
<td>Engineering: Environmental</td>
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<tr>
<td>TTE</td>
<td>Transportation Engineering</td>
</tr>
</tbody>
</table>

Graduate Courses

Construction Engineering

CEG 5305. Construction Planning and Scheduling (3). Prerequisite: CCE 4004. Planning, basic arrow diagramming, basic precedence diagramming, establishing activity duration, calculations, bar charts, project controls, overlapping networks, resource leveling, and program evaluation review technique (PERT).

CEG 5306. Project Controls in Construction (3). Prerequisite: CCE 4004; EGN 3443. Construction cost estimation, work breakdown structure, and cost control; critical path method, PERT, scheduling, resource-constrained scheduling, and integrated scheduling-cost control; probabilistic scheduling techniques, and linear scheduling techniques; contract specifications, and contract claims (schedule impact) analysis.

Geotechnical Engineering

CEG 5015. Advanced Soil Mechanics (3). Prerequisite: CEG 3011. Mechanical behavior, internal stresses, and stability analysis of noncohesive soils, compressibility, consolidation, and settlement of cohesive soils, analytical techniques for predicting earth movement.

Soil Dynamics (3). Prerequisite: CEG 3011. Involves the study of soil behavior under different types of loading conditions, propagation of stress waves in elastic media, determination of dynamic soil behavior, liquefaction potential, and analyzing foundation systems subjected to dynamic loads.

Foundation Engineering (3). Prerequisite: CEG 3011. Design of spread footings, pile and caisson foundations, retaining structures and waterfront structures. Investigation of slope stability.

CEG 5127. Highway and Airports Pavement Design (3). Prerequisite: CEG 4801. Analysis of materials used for roadways and airport pavements; design of rigid and flexible pavements and subbases for highways and airports; geotechnical considerations.

CEG 5415. Groundwater, Seepage, and Drainage (3). Unconfined and confined groundwater flow analysis utilizing complex variables, conformal mapping, and elliptical functions. Mapping techniques, flow and seepage from canals and ditches, seepage toward wells, effect of seepage on structural foundations, foundation dewatering, and pavement drainage.

CEG 5705. Geomaterials (3). Prerequisite: CEG 3011. The geotechnical aspects of waste containment and storage. Aspects of design, construction, and performance of earthen structures for storing or disposing waste or remediating contaminated sites.

Structural Engineering

CES 5105. Advanced Mechanics of Materials (3). Prerequisites: CES 3100, EGN 3331. Analysis and design of trusses, frames, beams, columns, shafts, shell, and earth structures. buckling of curved beams, beams on elastic foundations, energy methods, theories of failure, thick-walled cylinders, stress concentrations, plastic deformation and fracture.


CES 5209. Structural Dynamics (3). Prerequisites: CES 4101; EGN 3321; and MAP 3303. Analysis and design of structures exposed to dynamic and earthquake loading and design.

CES 5218. Fundamentals of Structural Stability (3). Prerequisites: CES 5106r; EGN 3331. Elastic and inelastic buckling of columns including large deformation theory and imperfect columns, torsional buckling, buckling of plates. Software packages and computer usage. Methods of analysis include the formation and solution to differential equations, energy methods, and matrix methods. AISC stability design codes will be used with LBP format. Educational stability software will also be used as a teaching aid.

CWR 5125. Groundwater Hydrology (3). Prerequisites: CWR 3201; EES 3331. This course examines the fundamentals of groundwater flow and contaminant transport. Topics include: Darcy’s law, flow nets, mass conservation, heterogeneity and anisotropy, storativity, storage properties, 3-D equation of groundwater flow, regional recirculation, unsaturated flow, recharge, stream-aquifer interaction, well hydraulics, slug test analyses and contaminant transport processes.

CWR 5205. Hydrogeological Engineering II (3). Prerequisites: CWR 4202, MAP 3305. Course presents advanced hydraulic concepts and their incorporation into the design process. Methods of solving such problems are also presented.

CWR 5305. Urban Stormwater Runoff (3). Prerequisites: CEG 2202C, CWR 3201; EES 3304. Course covers advanced hydraulic engineering principles and their application to the design of urban stormwater systems. Topics include the analysis and design of surface and ground water resources, quality control, surface runoff, seepage, and flow in stream channels, and methods of water management. The course also covers the use of advanced computational tools for hydraulic system design.

CWR 5515. Physical Models of Hydraulic Systems (3). Prerequisites: CWR 3201, 3305; MAP 3305. This course examines the physical modeling of hydraulic systems, including the use of physical models to predict the behavior of hydraulic systems. Topics include the development and analysis of physical models, the use of physical models in the design and analysis of hydraulic systems, and the use of physical models to predict the behavior of hydraulic systems under extreme conditions.

CWR 5635. Water Resources Planning and Management (3). Prerequisites: CWR 4101, 4202. This course examines the planning and management of water resources systems. Topics include the economic, environmental, and social impacts of water resources systems, the design and operation of water resources systems, and the use of advanced computational tools for water resources planning and management.

CWR 5824. Coastal and Estuarine Hydraulics (3). Prerequisites: CWR 3201, MAC 2313. This course examines the hydraulic principles and processes that govern the behavior of coastal and estuarine systems. Topics include the development and analysis of physical models of coastal and estuarine systems, the use of physical models to predict the behavior of coastal and estuarine systems, and the use of physical models to support decision making in coastal and estuarine systems.

ENV 5045. Environmental Systems Analysis (3). Prerequisite: ENV 4001. Systems analysis techniques applied to the solution of environmental problems, with particular emphasis on linear and dynamic programming.

ENV 5055. Chemical Fate and Transport in the Environment (3). Prerequisites: CWR 3201; EES 3304; or equivalent. Study of the processes of pollutant chemicals transformation in and transport between air, water, and soil compartments. Use of chemical and mathematical models for the remediation of existing contaminated sites or prevention of future contamination from new sources.

ENV 5105. Air Pollution Control (3). Prerequisite: ENV 4001. This course investigates analytical concepts for determination of sources, amounts, and transport of air pollutants; health and environmental effects; design of control devices and management programs.

ENV 5407. Water Reuse Engineering (3). Prerequisite: ENV 4001 or equivalent. Course covers wastewater reclamation and reuse; treatment processes and systems; monitoring and control instrumentation; health and social aspects; design of facilities/systems.

ENV 5504. Environmental Engineering Processes and Operations (3). Prerequisite: ENV 4001 or consent of instructor. Operational and design features of the physical, chemical, thermal, and biological treatments used in engineering for the management of solid and hazardous wastes.

ENV 5565. Design of Water Quality Management Facilities (3). Prerequisites: CWR 3201, 3201L; EES 3040, 3040L. Analysis of operations, processes, and systems used in the treatment and management of water quality, wastewater control, and aquatic pollution control. Design of wastewater collection systems, water and wastewater treatment plants, and systems for disposal of residuals from such facilities.


Transportation and Traffic Engineering


TTE 5206. Advanced Traffic Flow Analysis (3). Prerequisite: TTE 3004. Course covers microscopic and macroscopic characteristics, traffic stream models, demand-supply analysis, shockwave analysis, queueing analysis, computer simulation models, intelligent transportation systems.

TTE 5256. Traffic Operations (3). Prerequisite: TTE 3004. Course covers principles of capacity, freeways, rural highways, urban streets, transportation systems, and computer simulation models.

TTE 5270. Intelligent Transportation Systems (3). Prerequisite: TTE 3004. Course covers advanced traffic management systems (ATMS), advanced traveler information systems (ATS), advanced vehicle control systems, commercial vehicle operations, rural ITS human factors, institutional issues, advanced design and development models, and intelligent transportation systems.

TTE 5526. Airport Planning and Design (3). Prerequisites: EGN 2212, TTE 3004, 3006. Design planning of new airports and renovation of existing airports; relationships of the airport and the surrounding community.

TTE 5805. Highway Geometric Design (3). Prerequisites: CEG 2202, 2202L, TTE 3004. Principles and procedures for the geometric design of highways and streets; considerations of traffic, land use, and aesthetic factors.

Other Courses

CGN 5315. Probabilistic Design in Civil Engineering (3). Prerequisites: A department approved course in statistics. Review of traditional civil engineering design methodology; identify uncertainties, construct probabilistic models of random design parameters, incorporate uncertainty into the design of selected civil engineering systems.

CGN 5910. Directed Individual Study (1–6). (S/U grade only.) May be repeated a maximum of six (6) semester hours when topics change.

CGN 5910r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours and a maximum of three (3) semester hours may apply to the master’s degree.

CGN 5930r. Special Topics (1–6). Special topics in civil engineering with emphasis on recent developments. May be repeated to a maximum of six (6) semester hours. Consult instructor.

CGN 5931r. Special Topics in Civil Engineering (1–6). Special topics in civil engineering with emphasis on recent developments. Contents and credits will vary. May be repeated to a maximum of six (6) semester credit hours. Consult instructor.

CGN 5935. Civil Engineering Seminar (0). (S/U grade only.) Prerequisite: graduate student status. Graduate students are expected to enroll in the course every semester they are enrolled at FAU or FSU. The students should attend at least 75% of the seminars offered each semester to obtain a satisfactory grade.

CGN 5971r. Master’s Thesis (1–6). (S/U grade only.) A thesis representing six (6) credit hours of academic work is a requirement for the master’s degree in civil engineering. This course provides a means of registering for thesis work and recording progress toward completion. A maximum of six (6) credit hours may be applied toward the master’s degree. May not be repeated for more than six (6) semester credit hours.

CGN 5974. Master’s Project (3). (S/U grade only.) A master’s project representing three (3) semester hours of academic work is a requirement for the MS degree with the non-thesis option in civil engineering. This course provides a means of registering for master’s project work. May be repeated twice; will focus on research, design, or evaluation of a relevant civil engineering problem.

CGN 6942. Supervised Teaching (3). (S/U grade only.) Prerequisite: Doctoral candidate status. Students receive credit for teaching an undergraduate course under supervision of graduate faculty. PhD candidacy required.

CGN 6972. Master’s Thesis Defense (0). (P/F grade only.) Prerequisite: CGN 5971. Required of students enrolled in the master’s thesis option. Students must register in the semester they plan to defend their thesis.

CGN 6980r. Dissertation (1–24). (S/U grade only.) Prerequisite: doctoral candidate status. A dissertation representing twenty-four (24) semester hours of academic work is representative of the student’s ability to think critically and creatively. This course provides a means of registering for dissertation and recording progress toward completion. May be repeated as often as approved by the supervisory committee. A maximum of twenty-four (24) semester hours may be applied towards the PhD degree.

CGN 6985r. Dissertation Defense (0). (P/F grade only.) Prerequisite: doctoral candidate status. Must be included in the final semester schedule for all doctoral students. May be repeated once.

CGN 8988r. Doctoral Preliminary Exam (0). (P/F grade only.) All doctoral students must enroll in the course the semester they intend to take the qualifying exam. May be repeated once.

CIVIL ENGINEERING/CONSTRUCTION/STRUCTURES/GEOTECHNICAL/ENVIRONMENTAL/HYDRAULIC AND WATER RESOURCES/TRAFFIC AND TRANSPORTATION see Civil and Environmental Engineering

CLASSICAL AND ANCIENT STUDIES see Classical Languages, Literature, and Civilization; History
Department of CLASSICAL LANGUAGES, LITERATURE, AND CIVILIZATION

COLLEGE OF ARTS AND SCIENCES

Chair: Daniel J. Pullen; Professors: Cairns, de Grummond, Glenn, Golden, Tatum; Associate Professors: Pfaff, Pullen, Sickinger; Assistant Professors: Fulkerson, Slaveva-Griffin, Stoddard; Visiting Professor: Rutherford; Visiting Associate Professor: Marincola

The influence of 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 the 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 exceptional. The classics are crucial both to the perpetuation and to the critique of the Western liberal arts education.

The Department of Classical Languages, Literature, and Civilization 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 a broad-based scholarly approach to the classical past while at the same time welcoming and encouraging innovative methods and perspectives. The department values the interdisciplinarity of the classics and strives to achieve an integrated understanding of the ancient world that includes a full appreciation of history, language, 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.

The faculty in classics is distinguished in teaching and research. Several members of the faculty hold university or national teaching awards. Individual faculty members have also won numerous competitive grants. The department boasts strong strengths in ancient literary criticism, the archaeology of Greece and Italy, the political and social history of Athens and of Rome, and Roman religion.

The department enjoys a close relationship with other departments in the University, especially art history, philosophy, and religion, each of which offers graduate level courses of interest to classicists. The department is also associated with the Program in the Humanities, which offers an interdisciplinary course of study leading to the PhD in the intellectual history of the classical world.

Each student works closely with a major professor and the director of graduate studies to design a graduate program which meets that student’s specific personal and professional requirements.

Admission Requirements

The minimal admission requirements for all programs leading to the MA are:

1. A BA degree;
2. A 3.0 undergraduate grade point average (GPA) in all upper-division work and a minimum of 1000 on the aptitude test of the Graduate Record Examination (GRE); and
3. Sufficient undergraduate work in classics to warrant study on the graduate level.

The minimal requirements for admission to the doctoral program are:

1. An MA degree (students holding the BA who wish to pursue doctoral work in the department should consult the special requirements below);
2. A GRE score of not less than 1200 (with not less than 600 on the verbal section); and
3. A 3.5 GPA in previous graduate level coursework.

The minimal admissions requirements for admission to the doctoral program for a student holding only a BA degree are:

1. A 3.6 GPA overall and 3.8 GPA in upper-division coursework;
2. A GRE score of at least 1300, with a verbal score of at least 650;
3. Sufficient language skills in Greek and Latin to begin graduate-level coursework (normally two years each of college-level Greek and Latin with average grades of at least A-);
4. Well-developed writing abilities.

Master of Arts Degree Requirements

The department offers a variety of programs leading to the MA degree. Each program is designed to prepare students for doctoral-level work in classical studies. Students are encouraged to study the particulars of each program with care and to consult with the director of graduate studies when making decisions about which program to enter. Students in some programs may also prepare themselves for a career teaching Latin. The department cooperates with the foreign language education program in the University in order to help future teachers to meet certification requirements.

General Requirements of all MA programs

Students should review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin. All graduate students are required, during their first fall semester in residence, to take CLA 5936, Proseminar in Classical Studies. All students must demonstrate competence in a modern foreign language (French, German or Italian). This is accomplished by:

1. Completing twelve (12) semester hours of college level work with a grade point average of 3.0 or above;
2. Earning a 480 or above on the appropriate examination in the Graduate School Foreign Language Tests administered by ETS; or
3. Passing the Reading Knowledge Examination (FRE 5069, GER 5069 or ITA 5069.)

Graduate students are required to maintain a 3.0 grade point average in all graduate work, and no course in classics for which a student receives a grade of “C” or below may count toward any graduate degree in the department. No more than three (3) semester hours at the 4000 level will count toward any MA degree.

All students are expected, before arranging their comprehensive or translation exams or commencing work on a thesis, to select a major professor. The major professor will help the student to select his or her MA committee, will direct the student’s exams or thesis and will work with the director of graduate studies in order to be certain that the student has met every requirement for the MA degree. Students are urged to select a major professor by the conclusion of their first year (the selection is not irrevocable). Comprehensive and translation exams will ordinarily be given during one week of each term: in the fall term, it will be the second week in November; in the spring term, it will be the week following the spring break. All students are expected to familiarize themselves with University regulations concerning required forms and deadlines.

Master of Arts with a Major in Classical Archaeology

The program in classical archaeology allows a student to focus his or her course work on archaeology and art history. It is recommended for students who intend to pursue further graduate work in classical archaeology.

All students must achieve at least a 3000 level proficiency in either Greek or Latin and the equivalent of one year’s study of the other of the two classical languages. These requirements should be viewed as the minimum of language preparation. Students in archaeology are strongly encouraged to achieve graduate level proficiency in at least one ancient language. This program may be taken under the course option or the thesis option.

Requirements for Course Option

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936</td>
<td>1</td>
</tr>
<tr>
<td>CLA 5789r</td>
<td>4</td>
</tr>
<tr>
<td>Seminars (usually CLA 5799)</td>
<td>6</td>
</tr>
<tr>
<td>CLA 5910</td>
<td>3</td>
</tr>
<tr>
<td>Archaeology courses</td>
<td>9</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>9</td>
</tr>
<tr>
<td>Comprehensive examination</td>
<td>0</td>
</tr>
</tbody>
</table>

Students who choose the course option are required to write a substantial research paper (usually an expanded version of a seminar paper) during the semester in which they are registered for CLA 5910.
### Requirements for Thesis Option

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936</td>
<td>1</td>
</tr>
<tr>
<td>CLA 5789r</td>
<td>4</td>
</tr>
<tr>
<td>Seminars (usually CLA 5799)</td>
<td>6</td>
</tr>
<tr>
<td>CLA 5971r</td>
<td>9</td>
</tr>
<tr>
<td>Archaeology courses</td>
<td>6</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>6</td>
</tr>
<tr>
<td>Comprehensive examination</td>
<td>0</td>
</tr>
<tr>
<td>Thesis Defense</td>
<td>0</td>
</tr>
</tbody>
</table>

There are various means of meeting the fieldwork requirement. Students should consult with the archaeology committee in order to determine the most appropriate means of fulfilling this requirement.

See below for a description of comprehensive examinations.

### Master of Arts with a Major in Classics

The program in classics (Greek and Latin) enables a student to concentrate his or her course work on both languages. The program will prepare students for further graduate work and for teaching in the schools. Students hoping to proceed to doctoral-level work should also have some course work in Greek. This program may be taken under the course option or the thesis option. The department recommends the course option.

### Requirements for Course Option

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936</td>
<td>1</td>
</tr>
<tr>
<td>Six courses at the 5000 (or 6000)</td>
<td>18</td>
</tr>
<tr>
<td>level in Greek or in Latin (at least two courses must be taken in each ancient language)</td>
<td></td>
</tr>
<tr>
<td>One history course</td>
<td>3</td>
</tr>
<tr>
<td>One archaeology course (may be at 4000 level)</td>
<td>3</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>8</td>
</tr>
<tr>
<td>Translation examination</td>
<td>0</td>
</tr>
</tbody>
</table>

### Requirements for Thesis Option

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936</td>
<td>1</td>
</tr>
<tr>
<td>Six courses at the 5000 (or 6000)</td>
<td>18</td>
</tr>
<tr>
<td>level in Latin</td>
<td></td>
</tr>
<tr>
<td>One history course</td>
<td>3</td>
</tr>
<tr>
<td>One archaeology course (may be at 4000 level)</td>
<td>3</td>
</tr>
<tr>
<td>LNW 5971</td>
<td>6</td>
</tr>
<tr>
<td>Translation examination</td>
<td>0</td>
</tr>
<tr>
<td>Thesis Defense</td>
<td>0</td>
</tr>
</tbody>
</table>

See below for a description of the translation examinations.

### Master of Art in Latin

The program in Latin enables the student to concentrate his or her course work on that language. This program will prepare students for further graduate work and for teaching in the schools. Students hoping to proceed to doctoral-level work should also have some course work in Greek. This program may be taken under the course option or the thesis option. The department recommends the course option.

### Requirements for Course Option

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936</td>
<td>1</td>
</tr>
<tr>
<td>Six courses at the 5000 (or 6000)</td>
<td>18</td>
</tr>
<tr>
<td>level in Latin</td>
<td></td>
</tr>
<tr>
<td>One history course</td>
<td>3</td>
</tr>
<tr>
<td>One archaeology course (may be at 4000 level)</td>
<td>3</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>8</td>
</tr>
<tr>
<td>Translation examination</td>
<td>0</td>
</tr>
</tbody>
</table>

### Requirements for Thesis Option

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936</td>
<td>1</td>
</tr>
<tr>
<td>Five courses at the 5000 (or 6000)</td>
<td>15</td>
</tr>
<tr>
<td>level in Greek</td>
<td></td>
</tr>
<tr>
<td>One history course</td>
<td>3</td>
</tr>
<tr>
<td>One archaeology course (may be at 4000 level)</td>
<td>3</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>11</td>
</tr>
<tr>
<td>Translation examination</td>
<td>0</td>
</tr>
</tbody>
</table>

### Master of Arts with a Major in Classical Civilizations

The program in classical civilization offers the student the most flexibility of any program in the department. A student may proceed to doctoral-level work through this program, but must take care to have raised his or her languages to a suitable level of competency. If the student hopes to be involved in advanced work in archaeology, he or she must take care to acquire a background in archaeology sufficient to meet the requirements of doctoral programs in classical archaeology. Students in this program can easily combine language study with courses in archaeology and history. Graduates of this program have also gone on to teach in the schools. However, that opportunity requires that the student acquire sufficient skill in Latin. It is also possible to pursue this degree in order to prepare for further work in fields other than classics (such as comparative literature or humanities). This program may be taken under the course option or the thesis option. The department recommends the course option.

### Requirements for Course Option

<table>
<thead>
<tr>
<th>Required Courses</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936</td>
<td>1</td>
</tr>
<tr>
<td>Two courses in 1) Greek or Latin</td>
<td>6</td>
</tr>
<tr>
<td>or 2) two courses in literature-in translation (or a combination thereof)</td>
<td></td>
</tr>
<tr>
<td>Two history courses (may be substituted for by taking courses in archaeology, Latin or Greek (at the 5000 level)</td>
<td>6</td>
</tr>
<tr>
<td>One archaeology course (may be at 4000 level)</td>
<td>3</td>
</tr>
<tr>
<td>Electives in classics</td>
<td>17</td>
</tr>
</tbody>
</table>

There are no comprehensive or translation examinations in this degree program. Students may, however, sit one of the translation exams in Greek or Latin, and that fact will be noted in letters of recommendation.
Requirements for Thesis Option

Required Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Required Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA 5936</td>
<td>1</td>
</tr>
<tr>
<td>Two courses in 1) Greek or Latin or 2) two courses in literature in translation (or a combination thereof)</td>
<td>6</td>
</tr>
<tr>
<td>Two history courses (may be substituted for by taking courses in archaeology, Latin or Greek at the 5000 level)</td>
<td>6</td>
</tr>
<tr>
<td>One archaeology course (may be at 4000 level)</td>
<td>3</td>
</tr>
<tr>
<td>CLA 5971</td>
<td>6</td>
</tr>
<tr>
<td>Electives in Classics</td>
<td>9</td>
</tr>
<tr>
<td>Thesis Defense</td>
<td>0</td>
</tr>
</tbody>
</table>

Comprehensive Examinations for Classical Archaeology

The comprehensive exam in classical archaeology is divided into two parts:

1. Two hours of identifications:
   a) 25 slides each viewed for two minutes. Students are asked to identify and explain the significance of major monuments of the type typically found in introductory textbooks on Greek and Italian archaeology.
   b) 25 terms (out of a selection of 35). Study lists of terms can be obtained from the Director of Graduate Studies.

2. Two hours of essays:
   a) Select one essay from either the Bronze Age or Hellenic period.
   b) Select one essay from either the Etruscan or Roman period.

For the purposes of the comprehensive examinations, the archaeology committee is the examination committee. A student’s thesis committee may vary. It is strongly recommended that at least two members of the committee be archaeologists.

Translation Examinations for Classics, Latin or Greek

Students seeking an MA in Classics, Latin or Greek will sit a two hour translation examination. Passages will be representative of a student’s previous course work. All passages will be of medium difficulty. The level of competence required to pass the exam is that which might reasonably be expected of a student who has completed two years of graduate study.

Classics: from a selection, a student will translate four passages; one in Greek prose, one in Greek poetry, one in Latin prose and one in Latin poetry.

Greek or Latin: from a selection (all in the relevant language), a student will translate four passages; two in prose and two in poetry.

PhD with Majors in Classics or Classical Archaeology

The department offers the PhD in classics (ancient history, philology, literary criticism) and in classical archaeology. Students holding the MA are required to pursue doctoral-level work in the department ordinarily should first apply to the MA program. The PhD requires thirty (30) semester hours of course work beyond the MA, at least twelve (12) semester hours of which must be at the 6000 level. Each program requires a series of comprehensive examinations.

The program in classics requires: reading list examinations in Greek and Latin; demonstration of proficiency, by exam or through coursework, in Greek and Roman history; detailed examinations in Greek and Latin literature; a special author examination; a special field or topic examination; an examination in an interdisciplinary topic.

The program in classical archaeology requires: a reading list examination in either Greek or Latin; demonstration of proficiency, by exam or through coursework, in Greek and Roman history; examination on a topic in Bronze Age or Greek archaeology; examination on a topic in Etruscan or Roman archaeology; a special field or topic examination; an examination in an interdisciplinary topic.

Doctoral students must complete and successfully defend a dissertation that makes an original contribution to scholarship.

Definition of Prefixes

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARH</td>
<td>Art History</td>
</tr>
<tr>
<td>CLA</td>
<td>Classical and Ancient Studies</td>
</tr>
<tr>
<td>CLT</td>
<td>Classical Literature in Translation</td>
</tr>
<tr>
<td>EUH</td>
<td>European History</td>
</tr>
<tr>
<td>FLE</td>
<td>Foreign Language Education</td>
</tr>
<tr>
<td>GRE</td>
<td>Classical Greek (Language Study)</td>
</tr>
<tr>
<td>GRW</td>
<td>Classical Greek Literature (Writings)</td>
</tr>
<tr>
<td>LAT</td>
<td>Latin (Language Study)</td>
</tr>
<tr>
<td>LNW</td>
<td>Latin Literature (Writings)</td>
</tr>
</tbody>
</table>

Graduate Courses

ARH 5111. Art and Archaeology of the Bronze Age in the Aegean (3). Analysis of Minoan and Mycenaean art and architecture and of the archaeological evidence for prehistoric culture in Crete and Greece.

ARH 5119. Archaeology of Ancient Egypt (3). Survey of the archaeology and art of Ancient Egypt from the Predynastic to the Ptolemaic and Roman periods. Emphasis on the art, architecture, and culture of the Old and New Kingdoms.

ARH 5125. Etruscan Art and Archaeology (3). Analysis of Etruscan art and architecture and of the archaeological evidence for Etruscan culture.

ARH 5140. Greek Art and Archaeology of the Fifth and Fourth Centuries B.C. (3). Analysis of classical Greek architecture, painting, sculpture, and other arts; primarily Augustan through the Antonines, and of the archaeological evidence for the chronology and cultural history of the classical period.

ARH 5160. Art and Archaeology of the Early Roman Empire (3). Analysis of Roman architecture, painting, sculpture, and other arts; primarily Augustan through the Antonines, and of the archaeological evidence for the chronology and cultural history of the early Imperial period.

ARH 5174r. Studies in Classical Art and Archaeology (3). Studies in specific aspects of Greek and Roman art and archaeology. May be repeated to a maximum of six (6) semester hours.

ARH 5934r. Tutorial in Classical Archaeology (1–3). Prerequisite: Instructor’s consent. Intensive readings and discussions within a small group centered on a specific topic or research problem in classical archaeology. May be repeated when topics vary to a maximum of nine (9) semester hours.

ARH 6937r. Doctoral Seminar in Classical Archaeology (3). Prerequisite: ARH 5934r. Doctoral-level seminar devoted to a specific topic in classical archaeology. May be repeated when topics vary to a maximum of twenty-four (24) semester hours.

ARH 5438r. Studies in Greek History (3). Study of selected topics in Greek history in the Archaic, Classical, or Hellenistic period. May be repeated to a maximum of six (6) semester hours.

ARH 5448r. Studies in Roman History (3). Critical study of topics related to the Roman Republic or Empire. May be repeated to a maximum of six (6) semester hours.

ARH 5789r. Classical Archaeology: Fieldwork (1–6). Fieldwork experience through the University of Florida at Cetamura, Italy. May be repeated to a maximum of twelve (12) semester hours.

ARH 5799r. Seminar in Classical Archaeology (3). Seminar on special topics in classical archaeology with emphasis on understanding the workings of the discipline. May be repeated to a maximum of six (6) semester hours.

CLA 5885. Roman Law (3). Detailed study of the principles and procedures of Roman Law.

CLA 5905r. Directed Individual Study (1–4). May be repeated to a maximum of nine (9) semester hours.

CLA 5910r. Supervised Research (1–3). (S/U grade only.) May be repeated to a maximum of three (3) semester hours.

CLA 5931r. Special Topics in Classics (3–9). This course examines specific aspects of Greco-Roman literature and culture. May be repeated when topics vary to a maximum of nine (9) semester hours.

CLA 5936. Prosseminar in Classical Studies (1). (S/U grade only.) Introduction to research in classical studies.

CLA 5940r. Supervised Teaching (0–3). (S/U grade only.) May be repeated to a maximum of three (3) semester hours.

CLA 5942r. Internship in Museum Studies (3–6). Internship in a museum or similar institution. May be repeated to a maximum of six (6) semester hours.

CLA 5971r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.

CLA 6932r. Seminar in Classics (3–12). Research topics dealing with specific aspects of Greek or Roman literature and culture are examined. May be repeated when topics vary to a maximum of twelve (12) semester hours.

CLA 6990r. Dissertation (1–12). (S/U grade only.) Prerequisite: CLA 8946r.

CLA 8961r. Master’s Comprehensive Examination (0). (P/F grade only.)

CLA 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

CLA 8976c. Master’s Thesis Defense (0). (P/F grade only.)

CLA 8985c. Dissertation Defense (0). (P/F grade only.)

CLA 8986c. Dissertation Defense (0). (P/F grade only.)

CLA 8987c. Dissertation Defense (0). (P/F grade only.)

CLA 9529r. Seminar in Classical Archaeology (3). Special study in seminar format of topics in ancient myth and its interpretation. May be repeated to a maximum of six (6) semester hours.

CLA 9534r. Seminar in Classical Archaeology (3). Special study in seminar format of topics in ancient myth and its interpretation. May be repeated to a maximum of six (6) semester hours.

CLA 9534r. Seminar in Classical Archaeology (3). Special study in seminar format of topics in ancient myth and its interpretation. May be repeated to a maximum of six (6) semester hours.

EIH 5406. Hellenic History (3). History of Greece from the beginning to Alexander the Great. Emphasis on the social and political structures of Sparta and Athens.

EIH 5407. Hellenistic Greece (3). Study of the Greek world from the death of Alexander the Great (323 B.C.) to the Roman conquest (146 B.C., the sack of Corinth by Mummus).

EIH 5417. The Roman Republic (3). Study of the history of the Roman Republic from its foundation to the death of Caesar (44 B.C., the Battle of Actium).

EIH 5418. The Roman Empire (3). The Roman Empire from Augustus to Constantine. Emphasis on the formation of the ducalcy of the early empire to the monarchy of the late empire.
Institute for COGNITIVE SCIENCES

COLLEGE OF ARTS AND SCIENCES

Acting Director: Rolf A. Zwaan, Department of Psychology

Certificate in Cognitive Science

This certificate recognizes interdisciplinary study encompassing linguistics, computer science, philosophy, and psychology. Cognitive science encompasses human cognitive processes, such as knowledge representation, inference, memory, planning, problem solving, language, vision, as well as the modeling of these processes on computers. The premise is that comparison of machine models and analogues of cognitive processes with human and animal behavior, together with a study of the philosophical implications, will lead to deeper understanding as well as more useful applications in the component fields.

The program is open to students admitted to any graduate program at The Florida State University, although the certificate itself is not a degree and is not a requirement in any degree program.

A student wishing to enter the program should select appropriate courses from those listed below, with the advice and consent of the student’s major professor or degree adviser. This list, signed by the student’s major professor or adviser, is submitted to the director of the Institute of Cognitive Science, together with a letter of application briefly outlining the student’s background and interest in the cognitive science certificate. The course of study then needs the approval of the director.

Area I: Formal Techniques

PHI 4134 Modern Logic I (3)
PHI 5135 Modern Logic I (3)
COT 5540 Logic for Computer Science (3)
PHI 5934r Topics in Philosophy (when approved) (3)
PHI 6935r Seminar in Philosophical Topics (when approved) (3)
CIS 5930r Selected Topics in Computer Science (when approved) (1–3)
*PHI 4420 Theory of Computation (3)
*COT 5310 Theory of Automata and Formal Languages (3)

Area II: Cognitive Psychology

*DEP 5165 Developmental Psychology (3)
*EXP 5508 Cognition and Perception (3)
CAP 5615 Artificial Neural Networks (3)
CAP 6616 Autonomous Behavior in Artificial Neural Systems (3) (S/U grade only)

Area III: Linguistics (Descriptive)

LIN 4040 Introduction to Descriptive Linguistics (3)
LIN 4512 Introduction to Transformational Grammar (3)
LIN 5045 Descriptive Linguistics (3)
LIN 5510 Transformational Grammar (3)
LIN 5772 Computational Linguistics (3)

Area IV: Systems Theory

*COT 4420 Theory of Computation (3)
CAP 5605 Artificial Intelligence (3)
CIS 5930r Selected Topics in Computer Science [when approved] (1–3)

Area V: Philosophical Foundations

PHI 6225 Philosophy of Language (3)
PHI 6306r Epistemology (3)
PHI 6325 Philosophy of Mind (3)
PHI 6935r Seminar in Philosophical Topics [when approved] (3)
Department of Communication

College of Communication

Chair: Stephen D. McDowell; Professors: Heald, Korzenny, Mayo, Sapolsky; Associate Professors: Adams, Jordan, MacNamara, McDowell, Nudd, Pekurny, Pomper, Rayburn; Assistant Professors: Houck, McClung, Opel, Raney, Wiese; Visiting Assistant Professor: Arpan; Associate in Communication: Solomon; Assistants in Communication: Aronoff, Halvorson, Lindsay, Posansky, Rodin, Zeigler; Associate Scholar/Scientist: Grise; Visiting Associate Scholar/Scientist: Dubard; Professors Emeriti: King, Minnick, Phifer, Wotring, Young

The Department of Communication offers graduate programs of study leading to the master of arts (MA), master of science (MS), and doctor of philosophy (PhD) degrees. The student can select from several distinct major areas of emphasis which reflect specialized programs of study pertaining to either professional or academic careers in the communication field. Whether the student is interested in the traditional fields of human and speech communication, in the established discipline of mass communication, or in the emerging areas of interactive and new communication technologies, there are a variety of courses and course sequences available. The department also offers graduate level certificates in the areas of Hispanic Marketing Communication and Project Management.

Specifically, at the master’s level programs of study are offered in communication with an emphasis in interactive and new communication technologies, integrated marketing communication, or mass communication. A master’s program in corporate and public communication is offered at the Panama City, Florida, campus. At the doctoral level, programs of study are available in speech communication, mass communication, and communication theory and research.

Both thesis and nonthesis master’s options are available. Some nonthesis master’s programs are professionally oriented and assume the student will not pursue the doctoral degree in communication. Thesis master’s programs are often theoretically oriented and prepare the student for graduate work. Each major specifies entry requirements and degree requirements to meet predetermed educational and professional goals. While each major has its own set and sequence of required courses, every program of study is planned individually with each student so as to ensure flexibility to meet individual student needs. Acceptance into each major is highly competitive and is based on student qualifications.

Faculty Distinctions

The graduate program in communication reflects the varied teaching and research interests of the faculty. Beyond their range of expertise in communication theory and research, faculty members remain united in their dedication to teaching excellence, as demonstrated by the regularity with which they receive teaching commendations and awards. Faculty members from the Department of Communication have been elected and continue to serve as officers in major academic societies and professional associations. Faculty members have been and remain prominent in the scholarly journals, serving as editors, associate editors, and, most importantly, authors. A series of journal publications, as well as books, convention papers, and monographs have established a number of faculty members as nationally as well as internationally recognized leaders in their respective fields.

Assistantships/Scholarships

The Department of Communication offers teaching and research assistantships to doctoral students, and master’s students (as funding is available). The number and amount of assistantships also provide assistance with course fees, subject to the availability of funds.

In addition to University Fellowships, the College of Communication offers the college-wide Teaching Fellowship, which is awarded annually.

Applications and Admissions

1. The candidate should obtain an application form from the University Graduate Admissions Office and a departmental application form and letter of instructions from the department. These are also available at http://www.comm.fsu.edu. The applicant should submit the completed forms with supporting documents to each respective office. The department will accept new graduate students for each semester.

2. Minimum criteria to be considered for admission to the master’s program include a GPA of 3.0 (on a 4.0 scale) for the last two years of undergraduate work or a Graduate Record Examination (GRE) score (verbal plus quantitative) of at least 1000. Minimum criteria to be considered for admission to the doctoral program include a GPA of 3.3 for the master’s, a 3.0 for the last two years of undergraduate work, and a GRE score of 1000. All applicants must submit three letters of recommendation and completed University and departmental application forms.

Note: the master’s and doctoral programs are highly competitive and admission may require more than the minimum GRE and GPA.

3. Applicants for the doctoral program may be asked to complete an interview with the graduate admissions committee, preferably in person although telephone is acceptable. Under certain conditions a videotaped statement in response to a set of questions provided by the committee could be substituted for the interview.

If the student completed a master’s degree in the Department of Communication at The Florida State University, the master’s supervisory committee must have made a written recommendation that the student be approved to continue for the PhD degree at this University.

Foreign students are required to submit GRE scores and a Test of English as a Foreign Language (TOEFL) score of 600 or above. Regardless of TOEFL scores, some foreign students may be required to take the Graduate Record Examination. The graduate admissions committee, or their advisory committee to enroll in the Intensive English Program in order to begin in the program no matter what degrees have been earned in their home countries. If a foreign student has earned an English competency, some of these requirements may be waived.

Master’s Degree

Supervisory Committee and Program of Studies

1. Prior to or during registration for the first semester, students should meet with the coordinator for their emphasis area. The coordinator will help the student plan course work for the first semester.

2. For non-thesis students, the area coordinator will serve as chair of the student’s supervisory committee. Students pursuing a thesis must select a major professor or committee chair. This person is usually a specialist in the student’s major area. It is the student’s responsibility, after consultation with the department’s director of graduate studies, to secure consent of an eligible faculty member to serve as the major professor, and to work with the major professor to form a committee.

3. No later than the end of the first semester, the student must submit a program of studies to the committee for approval. The program must closely follow the guidelines of the selected major and must meet departmental and University requirements. The proposed program of studies should be developed with the help and advice of the major professor. If a committee meeting is required, the program of study should be submitted to all committee members at least five days before the committee meets. At the meeting, the committee will discuss and modify the program as necessary.

If the student’s undergraduate preparation is weak, out of field, or insufficient for work in the area chosen, the admissions committee or supervisory committee may require that the student complete specified undergraduate courses in areas of deficiency. These make-up courses will not normally be credited toward master’s requirements.

Not more than six (6) semester hours may be transferred from another graduate institution and then only with the approval of the supervisory committee. Not more than six (6) semester hours of directed individual study (COM 5904) may be applied toward the master’s degree.

With the approval of the supervisory committee, up to six (6) hours of letter-graded 4000 level work may be counted in the master’s program. Courses taken at the 4000 level on an S/U basis may not be counted, nor may any work below the 4000 level.

The program of studies must be approved by all committee members, the department chair, the director of graduate studies, and the dean of the college. The student should provide signed copies to all signatories, with the chair’s copy filed in the student’s department folder. Changes in the program of studies or in the composition of the
supervisory committee are accomplished with special forms obtained from the chair or director of graduate studies. The forms are signed by all committee members, the department chair, director of graduate studies, and the dean and are attached to the student’s original program of studies.

4. A master’s program normally requires the equivalent of one and one-half calendar years of full-time course work. Students with weak backgrounds in their chosen area of specialization, or with degrees outside of communication, should expect to spend longer to complete a master’s program.

5. Graduate students are required to earn grades of “B” or better in all courses in their graduate major in order for the courses to be counted toward the degree. A GPA of at least 3.0 must be maintained for all master’s work.

6. There is no University-wide residency requirement.

7. Each master’s candidate must demonstrate, by term papers or thesis, writing skills that are acceptable to the student’s committee.

8. The English proficiency of domestic and foreign students will be evaluated by the student’s supervisory committee at least by the end of the student’s second semester of residency. If the committee decides that the student’s English usage is deficient, the committee will recommend remedial action. If, as a result of remedial action, the student’s English proficiency is still considered to be below an acceptable level, the student may be dismissed.

9. There is no department-wide foreign language requirement. If the student wishes to receive the master of arts degree, the University requires: a) Proficiency in a foreign language demonstrated by satisfactory performance on the Graduate School Foreign Language Tests of the Educational Testing Service, or certification by the appropriate language department, or completion of twelve (12) semester hours in a foreign language with an average grade of at least 3.0 (“B”), or four years of a single language in high school; b) Six (6) or more semester hours of graduate credit in one or more of the following fields: art; classical language, literature, and civilization; communication (not to include speech correction); English; history; humanities; modern languages and linguistics; music; philosophy; religion; and theatre.

10. Depending on the major area in which the student is enrolled, the student may elect a thesis or nonthesis program. To qualify for the master’s degree under the thesis program, the student must complete a minimum of thirty-three (33) semester hours including at least twenty-four (24) of those hours must be taken on a letter-grade basis.

11. A prospectus must be approved by all committee members prior to serious research or data collection for a thesis project. Signed copies are to be filed in the student’s department and college folders.

12. During registration for the final semester the student should enroll in either master’s comprehensive examination, master’s thesis defense, project, or residency. At the same time, the student should make application for graduation and the diploma.

13. The manuscript and final clearance adviser in the Office of Graduate Studies must approve the form of the thesis before final preparation. It is recommended that students consult with this adviser early in the preparation stage and obtain a copy of Guidelines and Requirements for Electronic Thesis, Treatise, and Dissertation Writers.

14. At least one week prior to the oral defense of a thesis, residency, project, or of comprehensive examinations, the candidate is responsible for notifying all departmental faculty of the time and place of the defense. Graduate students may also attend the defense. The candidate is responsible for scheduling the oral defense at a time convenient for all the committee members.

15. At the office of permanent records, evaluation, and graduation, the candidate will receive a final term degree clearance form which provides space for certification by all parties concerned that all requirements have been met. After the oral defense, the master’s candidate must submit to the manuscript and final clearance adviser this completed form and an electronic copy. Notice the submission deadline published in the Registration Guide is courteous to give all members of the supervisory committee and the department copies of the thesis. The Office of Graduate Studies sends the major professor one copy.

Master’s Degree Programs

Master’s Degree in Communication with an Emphasis in Interactive and New Communication Technologies

Career Goals. This program is designed as a terminal degree for graduate students who are interested in mastering the domain of interactive communication leading to employment in professional positions in a wide range of public and private sectors. Upon completion of the program each graduate will be competent in managing the development of digital communication solutions and products, as well as be familiar with major digital applications implementing multimedia. Through courses and experiences, our program offers an understanding of the theory and processes which involve interactive communication, especially in relation to the application of digital media and technologies in organizational, educational and marketing communication contexts. This preparation includes: systematic planning and evaluation for management responsibility in corporate or agency communications; information architecture and connectivity infrastructure; education, training and research for public and private agencies; and social, political and cultural impact of interactive communication. This master’s degree is intended as technical training in media software, and instruction in strategic communication, digital-content development, information access and research.

Educational Goals. The student will follow a course of study providing: 1) comprehensive literacy of new interactive communication technologies; 2) grounding in the theories of communication leading to employment in professional positions in a wide range of public and private sectors. Upon completion of the program each graduate will be competent in managing the development of digital communication solutions and products, as well as be familiar with major digital applications implementing multimedia. Through courses and experiences, our program offers an understanding of the theory and processes which involve interactive communication, especially in relation to the application of digital media and technologies in organizational, educational and marketing communication contexts. This preparation includes: systematic planning and evaluation for management responsibility in corporate or agency communications; information architecture and connectivity infrastructure; education, training and research for public and private agencies; and social, political and cultural impact of interactive communication. This master’s degree is intended as technical training in media software, and instruction in strategic communication, digital-content development, information access and research.

Areas of Special Knowledge and Skills to be Developed. Depending on career path and specific course of study, the proportion of coursework within each of the following will vary: selected software applications (e.g., multimedia authoring and media integration,
Depending on career path historical/critical, experimental, survey, content analysis, and data analysis; computer-mediated communication research skills and tools; systems planning and thinking.

**Required Hours.** Thirty-three (33) semester hours are mandatory. All students will be expected to have a fundamental understanding of basic interactive software techniques, and incoming students may be required to take a preparatory course on applications software. Students who have completed insufficient coursework in communication at the undergraduate level (e.g., students who did not major in a communication-related area) may be required to take six to twelve (6–12) semester hours of letter-graded, undergraduate coursework as determined by their supervisory committee. These additional hours will not count toward completion of the thirty-three (33) semester hours (nor the thirty-six [36] semester hours with comprehensive exams.)

For specific course requirements, visit the departmental website at [http://www.comm.fsu.edu](http://www.comm.fsu.edu) or contact the department.

**Master's Degree in Communication with an Emphasis in Mass Communication**

**Career Goals.** This program is designed for graduate students who are interested in studying the mass media. The program may result in a terminal degree, leading to a position in a media organization. The program may also serve as preparation for a doctoral degree in mass communication, leading to a teaching or research position. By the conclusion of the master’s program graduates will be introduced to media research methods and tools, theories and content pertaining to media communication processes and effects, mass media regulation and policy, and other topics.

**Educational Goals.** The student will follow a course of study providing: 1) grounding in mass communication theory; 2) training in research methods applicable to the study of mass communication processes and effects; 3) an understanding of the content and changing role of mass media and other information technologies; and 4) analysis of the social and psychological effects of media content and contexts.

**Areas of Special Knowledge and Skills to be Developed.** Depending on career path and specific course of study, the amount of coursework within each of the following areas will vary: communication theory and processes; research; survey, content analysis, focus group, and experimental research methods; audience research; computer analysis and interpretation of quantitative data; and research on the effects of mass media messages, technologies, and institutions.

**Required Hours.** Thirty-three (33) semester hours as a minimum are required; thirty-six (36) semester hours may be required with a coursework-only option. All students will be expected to have a fundamental understanding of basic interactive software techniques. Students who have completed insufficient coursework in communication at the undergraduate level (e.g., students who did not major in a communication-related area) may be required to take six to twelve (6–12) semester hours of letter-graded, undergraduate coursework as determined by their supervisory committee. These additional hours will not count toward completion of the thirty-three (33) semester hours.

For specific course requirements, visit the departmental website at [http://www.comm.fsu.edu](http://www.comm.fsu.edu) or contact the department.

**PhD in Communication**

**Supervisory Committee and Program of Studies**

1. Prior to or during registration for the first semester, students should meet with their provisional adviser. This provisional adviser will help the student plan course work for the first semester.

2. As early as the end of the first semester and no later than the middle of the second semester a major professor will be appointed. This will usually be a specialist in the student’s major area. It is the student’s responsibility, after consultation with the Director of Graduate Studies, to secure consent of an eligible faculty member to serve as the major professor.

A doctoral supervisory committee must be appointed by the middle of the second semester. The members of this committee will be decided by mutual agreement among the student, the major professor, prospective committee members individually, and the department chair. PhD committees in the Department of Communication have four to five members, all of whom must have master’s directive status and three of whom must hold doctoral directive status. One member must be from a different department. This outside member must hold doctoral directive status and is the representative-at-large who reports directly to the Dean of the College of Communication.

This doctoral supervisory committee approves the program of studies, reviews and approves any proposed revisions, designs and evaluates the doctoral preliminary examination, and supervises and approves the dissertation.

3. Within a month after appointment of the doctoral supervisory committee, but no later than the end of the second semester, the student must submit a program of studies to the committee for approval. The program must closely follow guidelines for the selected doctoral major and must meet departmental and University requirements. The program of studies should be prefixed by a statement from the student specifying: a) professional goals, b) current status toward achieving each goal, and c) courses and/or experiences completed or proposed to achieve each goal. This statement and the proposed program of studies should be developed with the help and advice of the major professor and submitted to all committee members at least five days before the committee meets. At the meeting, the committee will discuss and modify the program as necessary.

All doctoral students are required to have five (5) semester hours of either supervised teaching or research. Credit for supervised creative work may be substituted for supervised research. A maximum of five (5) hours of supervised teaching or research is allowed.

During the first year of study all doctoral students are required to enroll in foundation courses.
Each major specifies research tool courses. The doctoral supervisory committee will recommend that the student attain a mastery of whatever research tools are appropriate to the dissertation. Mastery of research tools must be certified by the doctoral supervisory committee before submission of the prospectus. The research tool requirement must consist of a minimum of four courses (letter-grade type) beyond the department foundation courses.

The program of studies must be approved by all committee members, the department chair, the director of graduate studies, and the dean. The student should provide signed copies to all signatories, with the chair’s copy filed in the student’s department folder. Changes in the program must be initialed on both departmental and college file copies by all committee members, the department chair, the director of graduate studies, the dean, and the student.

4. A doctoral program including dissertation normally requires the equivalent of three calendar years of full-time course work beyond the master’s degree. Students with weak backgrounds in their chosen area of specialization, or with a degree outside communication, should expect to spend longer to complete a doctoral program.

5. Graduate students are required to earn grades of “B-” or better in all courses in their graduate major in order for the courses to be counted toward the degree. A GPA of at least 3.0 must be maintained for all PhD work.

6. All doctoral students must be continuously enrolled on the University campus or in one of its centers for a minimum of twenty-four (24) semester hours credit during one academic year. The academic year is defined as enrollment in any period of 12 consecutive months.

7. Every doctoral student is required to submit an original scholarly paper to an appropriate journal and/or at a state, regional, or national convention. The original paper must be approved by the student’s doctoral supervisory committee before the preliminary examination to meet this requirement.

8. The English proficiency of domestic and foreign students will be evaluated by the student’s doctoral supervisory committee at least by the end of the student’s second semester of residency. If the committee decides that the student’s English usage is deficient, the committee will recommend remedial action. If, as a result of remedial action, the student’s English proficiency is still considered to be below an acceptable level, the student may be dismissed.

9. There is no department-wide foreign language requirement.

10. The department’s graduate policy committee will assess the progress of each first-year doctoral student at the end of the spring semester. During the second and successive years, each doctoral student’s progress will be reviewed annually by the committee. Copies of the review will be available to the student, the doctoral supervisory committee, the department chair, and the dean.

11. When students are enrolled in their last semester of course work, and before the prospectus is submitted for approval, the student will enroll for COM 8964 and take the doctoral preliminary examination. Preliminary examinations may not be taken if the student has one or more incomplete grades and/or more than twelve (12) semester hours of unfinished course work. The department chair must certify that students are eligible for preliminary examination before the examination is administered.

The doctoral preliminary examination is designed, administered, and evaluated by the doctoral supervisory committee, with assistance from other faculty members in the department, as appropriate. The examination will consist of at least twelve (12) semester hours of written examination in the major field and collateral areas.

During the first part of the last semester, the student should meet with the committee to determine the nature and content of the examination and to set dates for both the written and oral portion. The oral portion of the doctoral preliminary examination should occur at least one week but not more than two weeks following submission of the written portion to committee members. The oral portion should be scheduled prior to the last two weeks of classes in any given semester. At least one week prior to the examination, the candidate is responsible for notifying all departmental faculty of the date, time, and place of the oral examination. The candidate is responsible for scheduling the oral defense at a time that is convenient for all committee members.

12. Upon successful completion of the oral defense of the doctoral preliminary examination, the student may elect to
reconstitute the supervisory committee. The newly formed committee will direct the student through the prospectus, dissertation, and dissertation defense. Formation of the reconstituted committee must follow all guidelines for supervisory committees (see 2 above).

13. Students must register for a minimum of twenty-four (24) semester hours of dissertation credit (COM 6980r) and must enroll for some credit during each semester when substantial work is done on the dissertation, whether on or off campus. The student will not normally enroll for dissertation hours until the semester following the completion of preliminary examinations. Students may not in any case enroll for dissertation credit before the semester in which they take doctoral preliminary examination (COM 8964) and receive satisfactory grades in these preliminary examinations, and they may not enroll for dissertation hours until after a passing grade is recorded for COM 8964.

14. A student who has successfully completed the doctoral preliminary examination is considered a candidate for the doctoral degree. This must occur at least six months prior to the granting of the degree.

15. All work for the doctoral degree must be completed within five calendar years after the time the student passes the doctoral preliminary examination, or the student must pass a new preliminary examination.

16. A prospectus must be approved by all committee members prior to serious research or data collection for a dissertation. Signed copies are to be filed in the student’s department and college folders. Progress toward completion of the prospectus and dissertation will be reviewed each semester.

17. At registration for the final semester, the student should enroll in COM 8985, dissertation defense. At the same time, the student should make application for graduation and the diploma.

18. The manuscript and final clearance adviser in the Office of Graduate Studies must approve the form of the dissertation before the final preparation. The student should consult with this adviser early in the preparation stage and obtain a copy of Guidelines and Requirements for Electronic Thesis, Treatise, and Dissertation Writers.

19. Prior to the oral defense of the dissertation, an announcement must be sent to The Week of, published by the Office of Graduate Studies and Research. This announcement must be published at least two weeks prior to the defense. At least one week prior to the oral defense, the candidate is responsible for notifying all departmental faculty of the time and place of the defense. Graduate students may also attend the defense. The candidate is responsible for scheduling the oral defense at a time convenient for all committee members.

The defense should be scheduled at least two weeks after copies of the dissertation have been distributed to committee members. These must be seen by the candidate and the major professor as final copies.

The major professor will bring to the oral examination the departmental graduate exam clearance form, which is to be signed by all committee members and by the departmental chair.

20. At the office of permanent records, evaluation, and graduation, the candidate will receive a formal term degree clearance form, which provides spaces for certification by all parties concerned that all requirements for the degree have been met. After the oral defense, the doctoral candidate must submit to the manuscript and final clearance adviser this completed form and an electronic copy. It is courteous to give all members of the committee and department copies of the dissertation. The Office of Graduate Studies sends the major professor one copy.

**PhD Degree Programs**

**Minimum Required Hours:** Minimum course requirements are determined by the doctoral supervisory committee in accordance with department and university requirements. Students may receive credit for master’s course work approved by their supervisory committee. All programs include twenty-four (24) semester hours for the dissertation.

**Required Cognate:** an outside cognate of twelve (12) semester hours approved by the doctoral supervisory committee is required.

**Teaching/Research:** students must complete five (5) semester hours of COM 5911r or COM 5940r. Teaching and research should be an ongoing activity throughout the doctoral program, but no more than five (5) semester hours of supervised teaching or research may apply toward the degree.

**Special Note:** all communication doctoral students must register for the required communication research colloquium (COM 5920) during every semester of full-time course work. For specific course requirements, visit the website at http://www.comm.fsu.edu or contact the department.

**Communication Theory and Research**

**Career Goals:** teaching and research positions within a graduate program in an academic institution; senior research position in public agency or management/marketing research firm.

**Additional Educational Goals:** training in the construction, evaluation, and revision of theories in communication.

**Areas of Special Knowledge:** knowledge of existing theoretical communication, structure and philosophy of theory, quantitative and qualitative research methods, statistical and computer applications.

**Mass Communication**

**Career Goals:** teach mass communication in a college or university; management position within a communication or research organization; consultant in media, research, or marketing.

**Additional Educational Goals:** knowledge of mass communication theories and research; training in research design, statistics, and computing; experience with various methods for basic and applied communication research; study of mass media institutions, their management, regulation, and evolving technologies; opportunity to teach undergraduate communication courses.

**Skills to be Developed:** statistics, research design, and microcomputing. Quantitative and qualitative research methods; effective written communication.

**Speech Communication**

**Career Goals:** designed for students interested in college or university teaching and research.

**Educational Goals:** acquainting students with the major academic areas of the field of communication, including rhetoric, philosophy of theory, quantitative and qualitative research methods, interpersonal, small group theory and practices, includes public speaking and debate.

**Skills to be Developed:** ability to teach at college or university level with pertinent skills in instructional planning, evaluation, etc. Ability to conduct independent research.

**Areas of Special Knowledge:** required for all graduates to have a working knowledge of items listed under ‘Educational Goals’ above with an emphasis on one, or perhaps two, of those areas.

**Certificates**

The Department of Communication offers graduate level certificates in Hispanic Marketing Communication and in Project Management. Contact the department for more information.

**Definition of Prefixes**

ADV — Advertising
COM — Communication
MMC — Mass Media Communication
RTV — Radio-Television
SED — Speech Education
SPC — Speech Communication

**Graduate Courses**

ADV 5415. Hispanic Marketing Communication (3). This course prepares professionals to field the increasing number of positions that require marketing expertise to serve the US Hispanic market.

ADV 5503. Media Consumer Behavior (3). Research and analysis of consumer behavior.


ADV 5605. Account Planning (3). This course prepares students to connect customers with advertising and marketing in public relations and other communication fields.

COM 5126. Organizational Communication Theory and Practice (3). The course provides an overview of the major organizational communication theorists and shows students how they can be used to diagnose and solve communication and performance problems.

COM 5127. Assessing Organizational Communication (3). Introduces students to the methods of assessing organizational communication including survey, feedback methodology, assessment, and related issues in applied research.

COM 5145. Communication Issues in Organizational Development (3). (S/U grade only). Provides students a comprehensive introduction to the communication theory and practice of organizational development with special attention to the use of research methodology in the design of interventions.

COM 5305r. Interactive Communication Research (1–3). Engage in primary and secondary research on interactive media developments, uses, and effects. May be repeated to a maximum of six (6) semester hours.

COM 5312. Research Methods in Communication (3), Introduction to quantitative and qualitative research methods.
COM 5314. Measurement of Listener-Viewer Attitude and Response (3). Quantitative and qualitative research methods, with particular emphasis on methods for measuring mass audiences.

COM 5316. Statistical Methods in Communication Research (3). Prerequisite: COM 5312. Statistical methodologies for communication research.

COM 5317. Content Analysis in Communication Research (3). Content analysis methodologies for communication research.

COM 5331. Computers in Communication Research (3). Application of computer analysis of research data. Use of microcomputers to build and manage quantitative research databases. Emphasis on SPSS/Pc+/Graphing and reporting software.

COM 5336r. Interactive-Media Programming and Design (3). Conceptualization and development of an interactive media product (i.e., interactive compact disc, video-disc, or online service module) for the consumer, business, and/or educational market. May be repeated to a maximum of twelve (12) semester hours; a maximum of six (6) semester hours may apply to the master’s degree.

COM 5337. Interactive Programming and Design for CD-ROM (3). Prerequisite: COM 5338. This course introduces the art and science of designing interactive communication. Its focus is the production of computer-based digital media to effectively communicate with disparate audiences utilizing CD-ROM technology. A required final project is intended to demonstrate the ability to accomplish these goals by combining media and analytical skills in a deliverable product.

COM 5338. Desktop Multimedia (3). The focus of this course is to learn the use of computer hardware and software in the design, creation, and delivery of multimedia communication. The tools and techniques in this course are relevant in publishing, advertising, entertainment, and education.

COM 5339. Computer Programming and Design For the Web (3). Prerequisite: COM 5338. This course, a continuation of COM 5337, focuses on the critical evaluation of existing websites, development of user-generated content, and analysis of the possibilities (and limitations) of web-based communication. Through the study of tools and techniques commonly used in the workplace today, students complete a website as a deliverable.

COM 5340. Historical-Critical Methods of Research (3). Review of historical methods, resources, and critical approaches in communication research.

COM 5401. Analysis of Communication Theory (3). Analyzes the field of communication through the study of key theories of human communication research.

COM 5467. System Thinking and Project Management (3). This course provides background and comparisons of strategic planning, and system thinking theories are presented. Project and management issues also are discussed.

COM 5469. Communication Planning and Dispute Resolution (3). Corequisite: COM 5465. Course introduces students to the theory and practice of alternative dispute resolution.

COM 5526. Marketing Communication Management (3). This course addresses the principles and procedures for communication marketing and management, and development of an integrated marketing plan for e-business.

COM 5546. Political Communication (3). Course provides students with insight into roots and bases of political communication.

COM 5906r. Directed Individual Study (3). (S/U grade only) May be repeated to a maximum of nine (9) semester hours; duplicate registration is not allowed. Departmental approval required.

COM 5911r. Supervised Research (1–5). (S/U grade only) Departmental approval required. May be repeated to a maximum of five (5) semester hours; duplicate registration is allowed. A maximum of three (3) hours may apply to the master’s degree.

COM 5920r. Colloquium in Communication (0–1). (S/U grade only) A series of lectures given by faculty, advanced graduate students, and visiting scholars. Required of all doctoral students. May be repeated to a maximum of six (6) semester hours.

COM 5940r. Supervised Teaching (1–5). (S/U grade only) Departmental approval required. May be repeated to a maximum of five (5) semester hours; duplicate registration is not allowed. A maximum of three (3) semester hours may apply to the master’s degree.

COM 5946r. Communication Residency (1–6). (S/U grade only) This course will provide work experience to apply and extend knowledge learned within the master’s program.

COM 5971r. Thesis (1–12). (S/U grade only) A minimum of six (6) semester hours of credit is required. May be repeated to a maximum of nine (9) semester hours. Duplicate registration is allowed.

COM 6040r. Advanced Problems in Communication Theory and Research (2–8). May be repeated to a maximum of eight (8) semester hours; duplicate registration allowed.

COM 6090. Preparation for the Preliminary Examination (2–4). (S/U grade only) Doctoral students only. Departmental approval required. May be repeated to a maximum of nine (9) semester hours. Duplicate registration is allowed.

COM 6906r. Dissertation (1–12). (S/U grade only) Departmental approval required. May be repeated to a maximum of nine (9) semester hours. Duplicate registration is allowed.

COM 6920r. Colloquium in Mass Communication (3). A forum for the in-depth examination of variant forms of communication as an instrument for the advancement of public or social theory.


MCC 6920r. Colloquium in Speech Communication (3). An analysis of new communication technologies for information and entertainment. May be repeated to a maximum of six (6) semester hours.

SED 5340. Teaching Communication in College (3). An analysis of principles and theories of instructional design used in preparing and teaching courses in communication.

SED 5346. Teaching Oral Communication Courses (3). This seminar examines the critical and practical dimensions of evaluating student’s speeches and presentations. Current research and theory on college level instruction is also explored.

SPC 5324. Classical Theories of Rhetoric (3). Students examine the origins of rhetorical theory during the classical period of Greece and Rome. Focus rests on the rhetorical theories of Plato, Aristotle, Cicero, and Quintilian.

SPC 5424. Group Dynamics and Leadership (3). A review of important concepts and research in group process and group dynamics.

SPC 5545. Studies in Persuasion (3). Lecture, readings, and discussion of human behavior theories as applied to issues in mass communication.

SPC 5614. Criticism of Contemporary Public Address (3). A critical examination of principal speakers to and for the public.

SPC 5635. Rhetoric of Race Relations (3). Criticism of selected speakers and speeches since 1954, studied against the social, political, and cultural background of the issues.

SPC 5639. Rhetoric of Women’s Issues (3). Examination of selected social and political issues which affect women and the analysis of content, lines of argument, supporting evidence, and rhetorical strategies.

SPC 5645. Rhetoric and Human Affairs (3). An analysis of variant forms of communication as an instrument for the advancement of a political or social thesis.

SPC 5655. Political Rhetoric: Language and Persuasion (3). Study of the styles and modes of persuasion, language, and rhetoric used in the political arena.


SPC 6306. Contemporary Topics in Intercultural Communication (3). A forum for in-depth examination of topics related to intercultural communication theory and research. May include self-concept, verbal and nonverbal coding, etc.

SPC 6920r. Colloquium in Speech Communication (3). An analysis of the application of research and development to the area of speech communication. May be repeated to a maximum of nine (9) semester hours; duplicate registration allowed.
summarizing results are also 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 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 faculty includes dedicated electronic communication devices with voice input, switches, keyboards, software programs, and other computer-based systems. Computer laboratories available to students and faculty are equipped with a full array of software and peripherals necessary for word processing, spreadsheet applications, database management, statistical and graphic analysis, language sample analysis, instructional material development, desktop publishing, and nonlinear video editing.

The Florida State University Center for Autism and Related Disabilities was established in 1993 and is one of seven centers serving this population. Over 1,200 individuals with autism or related disabilities have been identified in the 18 counties in the Florida panhandle served by the FSU center. The center provides services to eligible individuals for communication, social, and behavior problems, and provides information, consultation and clinical supervision to families and professionals. The center also trains professionals and preprofessionals who serve, or are preparing to serve the client population.

For further information about all graduate admission and degree requirements contact: Academic Program Assistant, Department of Communication Disorders, The Florida State University, Tallahassee, FL 32306-1200 (850) 644-2253. E-mail: commdis.info@comm.fsu.edu and please include your mailing address.

Master’s Degree Programs

The Florida State University speech-language pathology educational program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association. The objective of the program is to educate speech-language pathologists so they function optimally in a variety of clinical and school settings and, if desired, to enable them to pursue the doctoral degree. Learning experiences involve an interaction of classroom instruction, research, and individualized clinical practice under the close supervision of certified faculty and staff. Students are encouraged to collaborate with faculty on research and clinical program development.

The program offers courses of study leading to the master of science or master of arts degree (thesis or nonthesis options). Speech pathology or language pathology may be emphasized in the student’s plan of study, which is designed to exceed the requirements of the American Speech-Language-Hearing Association’s Certificate of Clinical Competence and The Florida Certificate of Registration. Florida State Board of Education requirements or The National Council on Accreditation for Teacher Education (NCATE) requirements for teaching certificates may be achieved by speech-language pathology majors.

A student’s undergraduate background influences the time required to complete the graduate degree. Students obtaining master’s degrees from The Florida State University generally graduate from the program in six academic semesters, which includes a semester of off-campus internship.

Requirements

Students must submit applications to both the University and the department. The Florida State University Department of Communication Disorders requires an individual applying for a master’s degree to hold a bachelor’s degree in communication disorders or its equivalent. Application of the master’s degree programs must meet the University’s minimum standard of a 3.0 upper division GPA or a Graduate Record Examination (GRE) score of 1000 (verbal and math sections combined) before an application will be considered by the department. However, meeting this minimum does not assure acceptance for graduate study in the department as admission is competitive. Two written recommendations from previous professors or clinical supervisors, copies of GRE scores, and copies of transcripts of all academic work completed to date should accompany applications and be sent directly to the department. Normally admission is during the fall semester. Applications must be submitted by February 1st.

All graduate students are required to present a program of study acceptable to the major professor and supervisory committee. The program of study should be approved before the conclusion of the first semester of course work. A student in a master’s degree program must complete a thesis. In general, six (6) semesters is typically required for the completion of the master’s degree. A clinical internship is required.

Advanced Master’s Degree

A master’s degree in speech-language pathology, communication disorders or the equivalent is required for admission to this program. A student preparing for the advanced master’s degree is required to present a program of study acceptable to the major professor and supervisory committee. A thesis-preparation curriculum is required, including a minimum of thirty (30) semester hours beyond the master’s degree with three to six (3-6) semester hours for the thesis.

Doctoral Program

Admission to the doctoral program is contingent upon meeting The Florida State University policy on graduate study and the PhD degree. Academic standards, residence and transfer credits are in accordance with regulations of the University. Normally, admission is during the Fall semester. Application for the following academic year must be submitted by January 15th.

The student must hold a bachelor’s degree for consideration of entry into the doctoral program. A minimum overall GPA of 3.0 (on a scale of A = 4.0) maintained in the student’s junior and senior years of undergraduate education is required. A minimum of a 3.5 GPA in the student’s major area of study in undergraduate and graduate education is required. An exception to the GPA requirement may be made by the Doctoral Admission Committee if strong evidence of academic potential is presented. This evidence must include minimum scores of 500 on the verbal and 500 on the quantitative sections of the GRE.

By the end of the first year of the program, the student should form a doctoral supervisory committee composed of a minimum of four members. Three members must hold doctoral directive status, and one member with this status must be selected from a different department. Normally, this member represents the student’s departmental area of study. The departmental chair will appoint the major professor who must be a member of the graduate faculty with doctoral directive status and have special competence in the student’s proposed area of concentration. The appointment must be mutually agreeable to the student, major professor, and departmental chair.

The first three to five semesters of enrollment in the program should be devoted to completion of the core requirements. By the end of the first year of the program, the student must present an approved plan of study to fulfill all requirements for the PhD. The plan of study should include all graduate-level courses previously completed. The doctoral supervisory committee may approve any course(s) already completed to apply toward completion of the core requirements.

Requirements

The student must demonstrate knowledge beyond the master’s level in research tools (minimum of fifteen [15] semester hours), in communication processes in normal and/or disordered populations (minimum of twelve [12] semester hours), and in a collateral specialization area (minimum of twelve [12] semester hours).

During the doctoral program, the student must demonstrate teaching abilities by taking major responsibility for teaching at least one undergraduate course or three hours of graduate-level instruction in a semester in doctoral seminars), and in a collateral specialization area (minimum of twelve [12] semester hours).

The student must also demonstrate research skills by taking three to five (3-5) semester hours of SPA 5940r, Supervised Teaching. The student must also demonstrate research skills by taking three to five (3-5) semester hours of SPA 5910r, Supervised Research.

Candidacy for the Doctor of Philosophy Degree

Advancement to candidacy for the PhD degree is contingent upon the student successfully passing a preliminary examination. The preliminary exam may be completed in one of two forms. Each of these options includes an oral examination with a choice of the written form.

Option 1. The student must write extensively on topics selected by the committee. This examination usually consists of 20 to 25 hours of writing time and should be completed within five days.

Option 2. The student must produce two sets of written products: (1) two article critiques to evaluate knowledge of research methodology; and (2) a written creative product relevant to the student’s major career objective, such as a grant proposal, a research report, or a course design and curriculum. Each written product is meant to assess the student’s ability to perform tasks expected of individuals with doctoral degrees in a variety of job settings. The specific
requirements must be approved by the committee before initiating the preliminary exam and are expected to be completed within one or two semesters.

Dissertation

Upon advancement to candidacy, the student may begin work on the dissertation. The student must present a research proposal to the student's committee, and it must be approved before the student begins collecting data.

Definition of Prefix

SPA  Speech Pathology and Audiology

Graduate Courses

SPA 5055r.  Professional Tools in Speech-Language Pathology (1–3). This course repeats with different topics covered each semester. Topics covered include clinical bases for planning and conduct of therapy, behavioral management, counseling, and ethical issues in speech-language pathology and clinical research methods.

SPA 5132.  Speech Science (3). Advanced study of duration, fundamental frequency, intensity, and wave composition in speech.

SPA 5133r.  Instrumentation in Communication Science (1–3). An introduction to electronics and electronic instrumentation used in the field of communication disorders. Includes classroom lectures as well as hands-on experience in the selection, use, and maintenance of diagnostic equipment. May be repeated to a maximum of three (3) semester hours.

SPA 5204.  Phonological Disorders (3). Identifies and examines traditional and psycholinguistic theory and approaches to management of articulation and phonological disorders. May be repeated to a maximum of three (3) semester hours.

SPA 5211.  Voice Disorders (3). An advanced course concerned with etiology, symptoms, and remediation of a variety of organic voice disorders.

SPA 5225.  Fluency Disorders (3). Emphasis is on theories of stuttering, factors which mediate stuttering, and therapeutic approaches.

SPA 5230.  Motor Speech Disorders (3). Diagnostic and therapeutic procedures employed in the management of speech and language problems of neurologically impaired persons.

SPA 5252.  Speech Production and Swallowing Disorders (3). A foundation course to prepare SLP students to evaluate and manage communication disorders of voice, fluency, and articulation plus dysphagia and laryngectomy.

SPA 5254r.  Cochlear Implantation and Surgery Disorders (3). A foundation course to prepare SLP students to evaluate and manage neuromotor speech disorders, aphasia, traumatic brain injury, and other neurogenic conditions. examine the communication effects of progressive neurological disorders.

SPA 5256.  Developmental Speech Disorders (3). This course is an overview of the developmental disorders that affect children's speech. Topics include cleft lip, palate and other craniofacial anomalies, developmental apraxia of speech and the dysarthrias.

SPA 5301r.  Audiology Laboratory (1). Labs are paired with graduate-level courses in audiology which require extensive out-of-class use of instrumentation. Students may register for more than one lab per semester with a maximum of four (4) semester hours total for all semesters enrolled.

SPA 5305r.  Measurement and Management of Impaired Hearing (1–3). Interviewing, audiological screening, audiometric evaluation, data interpretation, hearing aids, and cochlear implants, assistive listening devices, aural rehabilitation assessment and therapy, and hearing conservation.

SPA 5322.  Advanced Auditory (Re)habilitation (3). Amplification devices, assessment of hearing impairment; perception of speech, receptive communication strategies.

SPA 5354.  Industrial Audiology (2). Identification, identification processes, damage-risk criteria, conservation procedures, psychological and medical problems associated with industrial noise.


SPA 5404.  Communication Intervention: Infants and Preschoolers (3). Prerequisites: LIN 3710, and SPA 5400. Strategies for assessment and intervention of communication and symbolic abilities of infants (0–2) and children (3–5) with atypical communication development. Emphasis on developmentally informed assessment and intervention, and use of strategies to support language development.


SPA 5436.  Nature of Autism (3). This course provides an overview of the characteristics and etiology of autism spectrum disorders and the basic knowledge needed to develop effective instructional plans and to enhance reading, communication, and social interactions at home, at school, and in the community.

SPA 5460.  Foundations of Developmental Communication Disorders (3). Provides an overview of language and phonological impairments. Prepares students to facilitate development in children language learning systems while taking into account the contextually-based needs of children with developmental communicative disorders.

SPA 5462.  Current Issues in Developmental Communication Disorders (3). Prepares speech-language pathologists to evaluate and manage developmental communication disorders with families and other service providers. This course will focus on applying language and speech treatment programs.

SPA 5500.  Clinical Practicum in the Schools (3). Prerequisite: SPA 4503. Supervised therapy practice in therapy schools and school-based consumer cooperatives with children who have speech and language disorders. Seminar covers educational and therapy topics related to public professional activities.

SPA 5505r.  Advanced Speech-Language Pathology Practicum (1–3). Advanced supervised practice in diagnostic and therapeutic procedures with various language and speech problems. May be repeated to a maximum of eight (8) semester hours. Students may enroll in more than one section during the same semester.

SPA 5522.  Medical Speech Pathology (3). This course exposes students to the concepts, policies and procedures encountered in medical settings. The primary goal is to make students more comfortable upon entering the medical setting.

SPA 5526.  Laboratory in Child Speech/Language Pathology Diagnostics (1–3). Completion of formal and informal assessment of children who have speech and/or language disorders. May be repeated to a maximum of twelve (12) semester hours.

SPA 5528Lr.  Laboratory in Adult Speech/Language Pathologies (3). Completion of formal and informal evaluation procedures with adults who have speech and/or language disorders. May be repeated to a maximum of twelve (12) semester hours.

SPA 5553.  Seminar in Clinical Differential Diagnostics (3). Corequisite: SPA 5553. Completion of informal and formal evaluation techniques with people who have a variety of speech and language disorders. Content discussed will relate to people to be evaluated during accompanying laboratory.

SPA 5555.  Counseling in Speech-Language Pathology (3). Supervision, consultation, and interviewing in the area of communication disorders.

SPA 5554Lr.  Supervision and Counseling in Communicative Disorders (3). Laboratory to practice strategies and skills in clinical supervision and counseling. The dyads of clinician-patient, client-therapist, and the triad of supervisor, student, and client. May be repeated to a maximum of three (3) semester hours.

SPA 5559.  Augmentative Communication Systems (3). This course presents an overview of augmentative and alternative communication systems (AAC) and the process for selecting and implementing these systems. Application of AAC systems for varied communicative needs and impairments. May be repeated to a maximum of six (6) semester hours.

SPA 5562.  Advanced Seminar in Augmentative and Alternative Communication (1–3). This course focuses on a variety of topics related to AAC assessment, intervention, and clinical research for people with severe communication disorders. Students are encouraged to participate in related research projects and to present findings at professional conferences.

SPA 5564.  Communication and Aging (3). The anatomic, physiologic, and behavioral changes in communication. Implications of these changes on hearing and speaking. The communication disorders found among older persons.

SPA 5565r.  Seminar in Dysphagia (3). A review of the anatomy, neurology, and function of the normal swallowing. Etologies and types of dysphagia in children and adults. Supervision and instruction of SLP students. May be repeated to a maximum of eight (8) semester hours. Students may enroll in more than one section during the same semester.

SPA 5910r.  Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. May be repeated to a maximum of five (5) semester hours. A minimum of three (3) semester hours may apply to the master's degree. Students may enroll in more than one section during the same semester.

SPA 5942.  Supervised Teaching (1–5). (S/U grade only.) Advanced graduate students will have the opportunity to organize and teach basic courses in audiology and speech-language pathology and to gain clinical experience in service delivery situations. May be repeated to a maximum of five (5) semester hours. A minimum of three (3) semester hours may apply to the master's degree.

SPA 5980.  Directed Individual Study (1–3). (S/U grade only). May be repeated to a maximum of twelve (12) semester hours. May be repeated to a minimum of six (6) semester hours.

SPA 6140r.  Seminar in Experimental Phonetics (1–3). This course examines phonetics experimentation through review of relevant journal articles and participation in speech recording, measurements, and analysis. The focus is on one of the three phonetic areas: physiologic, acoustic or perceptual. May be repeated to a maximum of nine (9) semester hours.

SPA 6231r.  Seminar in Neuropathologies (1–3). May be repeated from term to term, up to a maximum of nine (9) semester hours.

SPA 6453r.  Seminar on Developmental Disabilities (1–3). This course provides graduate students with an opportunity to study and analyze current issues affecting children with developmental disabilities, including the families of children with disabilities. Students will study cross-disciplinary contributions to developmental disabilities research, service, and policies. May be repeated to a maximum of twelve (12) semester hours.

SPA 6804.  University Academic and Clinical Teaching Colloquium (0-2). (S/U grade only.) This course is designed to provide advanced students with controlled and supervised exposure to communication disorders in service oriented professional settings.

SPA 6805r.  Seminar in Clinical Research Methods (3). Course will advance students' knowledge of research methods used to study clinical problems and to evaluate intervention techniques used in speech-language pathology and other educational endeavors. Current research literature will be examined to critique the research methods used to address specific issues selected by students. May be repeated to a maximum of six (6) semester hours.

SPA 6825.  Seminar in Speech Pathology (1–3). Advanced study of communication disorders; review of literature and clinical research methodology. May be repeated from term to term, to a maximum of nine (9) semester hours.

SPA 6841r.  Seminar in Language (1–3). May be repeated from term to term, to a maximum of nine (9) semester hours.

SPA 6900r.  Readings for the Preliminary Examination (1–3). Corequisites: 6900r. Doctoral standing, department approval. To be taken prior to or during the semester the student registers for the preliminary examination. May be repeated to a maximum of nine (9) semester hours.

SPA 6930r.  Seminar in Special Topics (1–3). Content will vary as faculty offers different issues and special topics with University consent. May be repeated from term to term, up to a maximum of nine (9) semester hours. Students may enroll in more than one section during the same semester.
COMPARATIVE POLITICS
see Asian Studies; Political Science

COMPUTATIONAL BIOLOGY
see Mathematics

COMPUTATIONAL PSYCHOLOGY
see Psychology

COMPARATIVE PSYCHOLOGY
see Psychology

SOFTWARE ENGINEERING (3)

investigates

Compiler Construction (3)

5035

5621

Advanced Unix Programming (3)

The Department of Computer Science of

College of Arts and Sciences

Chair: Sudhir Aggarwal; Professors: Aggarwal, Baker, Burmester, Gallivan, Hawkes, Kohout, Mascagni, Riccardi, Whalley; Associate Professors: Banks, Schwartz, Turner, Tyson, Van Engelen,Yuan; Assistant Professors: De Medro, Douglas, Duan, Gopalan, Kumar, Liu, McDuffie, Srivastava, Wang, Yasinsac; Visiting Professors: Burmester, Van Dooren; Courtesy Professors: Conrad, Desmedt, Erlebacher, Fox, Hussaini, Srivastava; Computing Resources Manager: Sprague; Associates in Computer Science: Baldauf, Ford, Gaitros; Assistants in Computer Science: Changar, Myers, Sprague, Stocklin, Assistant Scholar/Scientist: Le Van, Professors Emeriti: 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 keeps 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 graduate programs leading to the master of science and doctor of philosophy 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 cryptology; 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. Some of our faculty members work closely with one of these, the School of Computational Science and Information Technology (CSIT). 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, CSIT 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 graduate students share a group of high-performance workstations, file servers, and compute servers over the departmental LAN. Students and faculty whose research requires higher computational power may apply for access to a variety of state-of-the-art machines, including supercomputers and computer clusters, across the University.

Other affiliated research laboratories 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 Embedded Systems/Compilers Laboratory investigates a wide variety of issues related to embedded systems and compilers. Tools are constructed to assist compiler writers in optimization and retargeting.

The Vision Laboratory conducts research motivated by psychophysical data and neurophysiological findings to develop models for real-world problems.

The Networking Laboratory investigates issues related to QoS routing, communication algorithms, and library design.

Active research groups subjects include 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, modeling and simulation environments.

Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.
Information Security Major

A student in the information security major is required to take the following courses; those marked with a “*” also satisfy the area requirements:

CIS 5515 Data and Computer Communications (3)*
CIS 5357 Network Security, Active and Passive Defenses (3)
CIS 5370 Computer Security (3)
CIS 5406 Computer and Network Administration (3)
plus one of the following courses:
CDA 5140 Fault Tolerance and Reliability (3)
COP 5570 Advanced Unix Programming (3)*
COT 5511 Operating Systems (3)*
COT 5310 Theory of Automata and Formal Languages (3)*
COT 5XXX Advanced Algorithms*

Please refer to http://www.cs.fsu.edu/academics for admission details.

Software Engineering (SE) Major

A student in the software engineering (SE) major is required to take CEN 5035, Software Engineering (3), which also satisfies the software area requirement. A plan of study will be developed by the student and the major professor. A student in this major must have a minimum of one year of full-time equivalent of documented software engineering experience involving actual work as a salaried member of a software development team. This major is currently offered only at the Panama City campus.

Please refer to http://www.cs.fsu.edu/academics for admissions and professional experience details.

Thesis, Project and Course-based Master of Science Degrees

For each major, a student must select one of the three options (thesis, project, or course-based) to complete the degree. Each option has a specific number of required courses as well as other requirements, as described below.

Thesis Option

In any major, a student under the thesis option must take, in addition to CIS 5935, Introductory Seminar on Research (2), ten (10) courses (thirty [30] semester hours) at or above the 5000 level, including at least one course from each of the three core areas detailed above. A student must have an average of at least “B+” for the three required core area courses in order to graduate under the course-based option. Approved CIS 5930/6930 courses are counted among these, but supervised teaching, supervised research, seminars, directed individual study (DIS), and CIS 5970 may not be included. The student also must register for CIS 8974, Master’s Project Defense (0), to defend the project. An electronic version of the project must be submitted to the departmental webmaster.

Course-based Option

In any major, a student under the course-based option must take, in addition to CIS 5935, Introductory Seminar on Research (2), ten (10) courses (thirty [30] semester hours) at or above the 5000 level, including at least one course from each of the three core areas detailed above. A student must have an average of at least “B+” for the three required core area courses in order to graduate under the course-based option. Approved CIS 5930/6930 courses are counted among these, but supervised teaching, supervised research, seminars, directed individual study (DIS), and CIS 5970 may not be included. A student must also register for CIS 8966, Master’s Comprehensive Examination (0).

Supervisory Committee

For the thesis and project options, it is the student’s responsibility to form a supervisory committee regardless of his or her selected major. No later than the beginning of work on the thesis or project, the student must secure the consent of an eligible computer science faculty member to serve as the major professor. In consultation with the major professor, the student must secure the consent of at least two additional graduate faculty members to serve as the supervisory committee, chaired by the major professor.

Doctoral Degree

The doctor of philosophy is regarded as a research degree and is awarded on the basis of accomplishment in a recognized specialty in computer science. Such accomplishment should include scholarly mastery of the field, significant contributions to new knowledge in the field, and written and oral communication skills appropriate for the field.

The requirements for the PhD include course work; a master’s degree in computer science or equivalent; passing the preliminary examination; successfully defending a dissertation prospectus; and successfully defending a dissertation. A Ph.D. student may be admitted to candidacy only after completing the master’s degree, or the equivalent, and passing the doctoral preliminary exam.

Course Requirements

The doctoral student shall complete at least two (2) courses in each of the three core areas (software, systems, and theory) from those required for the master’s degree. Equivalen
courses taken at other institutions must be approved by the Portfolio Review Committee. At least twelve (12) courses beyond those required for a BS degree in computer science must be taken at the 5000- or 6000-level. Details are given at http://www.cs.fsu.edu/academics. The doctoral student also must complete at least twenty-four (24) hours of CIS 6980r, Dissertation. A student may enroll in CIS 6980r only after being admitted to candidacy. Additionally, the student must have completed CIS 5935, Introductory Seminar on Research (2).

Student Portfolio

All students admitted to the program are required to compile and keep current a portfolio containing information relevant to the student’s progress in the program, e.g., curriculum vitae, courses taken and grades received, sample programming and writing assignments, any professional publications, and semester activity reports. Guidelines for preparing the portfolio are published by the Department of Computer Science, and are available at http://www.cs.fsu.edu/academics.

The portfolio is evaluated annually by the departmental portfolio evaluation committee. This committee consists of a core that is appointed by the department chair, together with any other department faculty with doctoral directive status who elect to participate. After each annual evaluation, the portfolio evaluation committee will recommend whether the student should continue in the program.

Before a student is admitted to PhD candidacy, the portfolio must be defended orally and include at least one example of writing by the student. This may be a research paper that has been accepted for a conference or journal. It may also be a project paper or thesis whose content and writing are judged by the portfolio evaluation committee to be of publication quality.

Major Professor and Supervisory Committee

As early as is feasible in the student’s program, the student should identify an area for dissertation research and secure an informal agreement with a faculty member to serve as...
the student’s major professor. This agreement should include an understanding as to the area and timeline of the dissertation research. This agreement is formalized when the department chair appoints that faculty member to serve as chair for that committee. The student must secure agreements with, and the chair must approve, the remaining members of the student’s supervisory committee. This committee must consist of: (two) 2 additional faculty members of the department; and (one) 1 member of the graduate faculty in another department. In addition, the chair will appoint a member to serve as departmental representative. All members must hold doctoral directive status. The supervisory committee is responsible for approving an individual program of study, possibly including additional course requirements, and verifying that the student satisfies the following departmental requirements.

Student Portfolio Defense

All students admitted to the program but not yet admitted to candidacy, are required to compile and keep current a portfolio containing information relevant to the student’s progress in the program. In particular, the results of taking the GRE Computer Science area exam must be included. Other required contents of the portfolio, submission dates, and guidelines for preparing the portfolio are at http://www.cs.fsu.edu/academics/.

The portfolio of any student not yet in candidacy is reviewed annually by the departmental Portfolio Review Committee (PRC). This committee consists of a core that is appointed by the department chair and normally meets twice a year, in the fall and spring. Feedback to the student on the contents of the portfolio and on progress towards admission to candidacy is provided after each review.

The final review occurs in conjunction with the defense of the portfolio. Thus, when a student and his or her major professor agree the portfolio is complete, the student should register for the Doctoral Qualifying Exam, CIS 8962 (0) for the next semester. At most, students can register for the Qualifying Exam twice. A student either passes or fails; there is no conditional pass.

Area Examination

The area examination (CIS 8964) covers the student’s intended area of research. It has both written and oral parts. Both parts of the examination are conducted by the student’s supervisory committee, which may delegate the responsibility to a larger area committee. It is strongly recommended that the student write an area survey paper as part of this exam. The oral part is open to all department faculty having doctoral status who elect to participate. The oral part of the examination is held in an open forum that other students are invited to attend and is followed by a closed session if the committee so desires. Students who do not pass the area exam may be advised to retake it at a later time. A student who changes to a new research area after having previously passed this exam will be required to stand for a further exam over the new area. At most, this exam may be taken twice.

Normal expectations are that the portfolio defense occurs prior to taking the area exam, or at least in the same semester as the area exam. A doctoral student should have taken the area exam within two semesters (including summer) of passing the QE.

Admission to Candidacy

In order to be advanced to candidacy for the doctoral degree, the student must:

• pass CIS 8962, the qualifying examination, which consists of passing the defense of the portfolio, and
• pass CIS 8964, the preliminary exam, which consists of passing the area examination.

Prospectus

The student must formally propose the research to comprise the dissertation to his or her supervisory committee in the form of a prospectus. The prospectus should consist of much of the background work for the dissertation, including:

1. A thorough literature review;
2. Theory, preliminary computational results, and/or bases for the feasibility of the research; and
3. A proposal for research to be completed for the dissertation.

In addition, as an appendix to the prospectus, publication plans should be presented. The research proposed should make clear and substantiate the student’s intended area of research. It has both written and oral parts. Both parts of the examination are completed, the student should register for the Doctoral Qualifying Exam, CIS 8962 (0) for the next semester. At most, students can register for the Qualifying Exam twice. A student either passes or fails; there is no conditional pass.

Definition of Prefixes

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Description</th>
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<tbody>
<tr>
<td>CAP</td>
<td>Computer Application Development</td>
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<tr>
<td>CDA</td>
<td>Computer Design/Architecture</td>
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<tr>
<td>CEN</td>
<td>Computer Software Engineering</td>
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<tr>
<td>CGS</td>
<td>Computer General Studies</td>
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<tr>
<td>CIS</td>
<td>Computer Science and Information Systems</td>
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<tr>
<td>COP</td>
<td>Computer Programming</td>
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<tr>
<td>COT</td>
<td>Computer Theory</td>
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Graduate Courses

CAP 5415. Principles and Algorithms of Computer Vision (3). Prerequisite: COP 4530. This course examines the basic computational principles and algorithms to extract information from images and image sequences. Topics include: imaging models, linear and non-linear filtering, edge detection, stereo vision and motion estimation, texture modeling, segmentation and grouping, and deformable template matching for recognition.

CAP 5505. Artificial Intelligence (3). Prerequisite: COP 4530. Introduction to representing knowledge, controlling attention, exploiting constraints, basic Lisp programming, basic graph searching methods, game-playing and dealing with adversaries, understanding vision, theorem proving by computer, computer programs utilizing artificial intelligence techniques.

CAP 5615. Artificial Neural Networks (3). Prerequisites: Senior or graduate standing in science or engineering major. This course introduces various aspects of neural networks, with emphasis on elements of design of trainable systems. Topics include linear and nonlinear neurons, linear associations, pattern associations, and neural network architecture. Theory, simulation techniques, and applications will be covered.

CAP 5616. Relational Methods in Knowledge and Information Engineering (3). Prerequisite: Use of recent mathematical relations theory in specification, design, and validation of software engineering products, with particular emphasis on applying these new methods in the design of knowledge-based and other AI systems. New knowledge representation and inference mechanisms. Semantics of relational specification structural complexity, and efficient parallelism for parallel processing; tradition and fuzzy relational methods.

CAP 5632. Automated Reasoning (3). This course is concerned with the application of logical and mechanical theorem proving. Topics include propositional logic, predicate logic, Skolem standard forms, Herbrand’s Theorem, various resolution procedures and methods, the logical basis of Prolog, and the interactive theorem prover Otter.

CAP 5638. Pattern Recognition (3). Prerequisites: Knowledge of probability and at least one programming language. Applications of mathematical tools, in particular, probabilistic, algebraic, and linguistic tools, to problems in pattern recognition and classification. Feature selection procedures, syntactic pattern recognition. Applications of fuzzy set theory to pattern recognition and classification.

CDA 5150. Fault Tolerance and Reliability (3). Prerequisite: COP 5155. Basic definitions; self-checking circuits; error detection measures; interconnection networks; testing and testability; computer architecture and software; reliability systems; software fault tolerance; fault tolerance and VLSI; error recovery.

CDA 5155. Computer Architecture (3). Prerequisite: CDA 3101. Computer system components; microprocessor and minicomputer architecture; stack computers; parallel processing and reconfigurable architectures; networks and protocols; performance evaluation; architecture studies of selected systems.

CEN 5000. Knowledge Management and Data Engineering (3). Prerequisite: COP 5170. A survey of techniques and tools representing the transition from database management to knowledge management, data mining, and data models; fuzzy databases; construction of knowledge bases.

CEN 5026. Applicative Foundations of Software Engineering (3). Prerequisite: CIS 8962. Programming paradigms of programming languages (OOP, functional, logic, and constraint programming); formal semantics and implementation; properties of programming languages and paradigms; re-engineering and reverse engineering; implementation and analysis; software product development; software development lifecycle; software quality assurance; software project management.

CEN 5035. Project Development (3). Prerequisite: CEN 5035. This course deals with the planning, design, validation and implementation of large scale projects. Topics include deliverables, state-of-the-art software engineering techniques, and analysis and design project reviews and evaluations prior to implementation in the Graduate Center. In particular, this course will emphasize the student’s role in management and technical support.

CEN 5064. Advanced Software Design (3). Prerequisites: CEN 5035. This course concentrates on the design of software systems after requirements engineering has been completed. The course offers education in techniques such as architectural design, pattern integration, and refactoring.

CEN 5066. Software Engineering in Graphics (3). Prerequisite: CAP 4730. Software engineering techniques as applied to graphical concepts based on ISO 7942, the Graphical Kernel System (GKS). Practical issues include: program analysis and evaluation, specification, programming methodology, software testing and validation, and performance and design evaluation, software implementation and management. Project development.

CEN 5055. Project Development (3). Prerequisite: CEN 5055. This course deals with the planning, design, validation and implementation of large scale projects. Topics include deliverables, state-of-the-art software engineering techniques, and analysis and design project reviews and evaluations prior to implementation in the Graduate Center. In particular, this course will emphasize the student’s role in management and technical support.

CEN 5521. Networking Physical Computers (3). Examine communication protocols and hardware technology for delivering messages in a distributed environment. Course covers communication protocols; local area networks; network configurations; SNA/PC connection, distributed systems, data flow and database control, and recovery.

CGS 5067. Advanced Navigating the Internet (3). Basic UNIX; World Wide Web, Netscape, Lynx, UseNet News, WaP, Micro, X-500 database retrieval, IRC, Telnet, E-mail, X, and HTML programming. Projects include developing Internet tours via the World Wide Web and developing WWW pages for organizations such as libraries, museums, and businesses. Topology of The Florida State University campus network and the Tallahassee Metropolitan Network. Prerequisite: COP 2104 or 3107. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied towards a graduate degree in computer science. Credit may not be applied towards a graduate degree in computer science. Design principles of batch, multiprocessing, and time-sharing, the design of operating systems, interactive operating systems, multiprogramming, and internetworking. Theory and practice. Algorithms such as the RSA, ElGamal, and the Digital Signature Standard are covered in depth. Advanced Topics in Operating Systems (3). Prerequisite: COP 4610. UNIX user commands and shell programming. Problem solving and diagnostic methods, system startup and shutdown, device files and installing devices, disk drives and file systems, NFS, NIS, DNS, sendmail. Managing a WWW site, managing UNIX software applications, system security, performance tuning. Legal and professional issues and ethics. Programming in C++. Topics include basics of C++ language objects and classes, programming with classes, constructors and destructors, memory allocation and deallocation, operator overloading, master classes, the class Iostream, base and derived classes, and templates. May not be applied toward a degree in computer science. Object-Oriented Programming with Data Structures (3). Prerequisites: COP 3330, MAD 2104 or 3107. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied towards a graduate degree in computer science. Credit may not be applied towards a graduate degree in computer science. Structured and object-oriented languages; invariant, variable, and classwise refinement; test processing, internal sorting methods, linear tables, pointers and linked data structures, recursive programming and recursion elimination, sequential file processing, trees and graphs; program verification and running time analysis; application of concepts through programming projects. Programming Language Concepts (3). Prerequisites: COP 3331, 4350. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied towards a graduate degree in computer science. A survey of programming languages and a survey of programming languages and data structures. Concepts necessary for the study of computer science. Topics that are designed to be discussed include FORTRAN, Pascal, Ada, PL/I, APL, and LISP. An oral presentation is required. Relational Database Theory (3). Prerequisites: COP 4350; MAD 2104 or 3107. Graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied towards a graduate degree in computer science. Credit may not be applied towards a graduate degree in computer science. Theory of computer science; credit may not be applied towards a graduate degree in computer science. Design principles of batch, multiprocessing, and time-sharing, the design of operating systems, interactive operating systems, multiprogramming, and internetworking. Theory and practice. Algorithms such as the RSA, ElGamal, and the Digital Signature Standard are covered in depth.

CGS 5765. Principles of Operating Systems (3). Prerequisites: CDA 3101; COP 4530. For graduate non-majors and graduate majors needing foundational work in computer science; credit may not be applied towards a graduate degree in computer science. Design principles of batch, multiprocessing, and time-sharing, the design of operating systems, interactive operating systems, multiprogramming, and internetworking. Theory and practice. Algorithms such as the RSA, ElGamal, and the Digital Signature Standard are covered in depth.
Interdepartmental Certificate Program in CRITICAL THEORY

COLLEGE OF ARTS AND SCIENCES

Director: Linda A. Saladin, Department of English

Critical theory is an interdisciplinary pursuit actively sought by scholars, both nationally and internationally. This endeavor touches all disciplines to some extent; the areas most involved to date include the national literatures, humanities, classical and contemporary philosophy, religion, history, the social sciences, the visual arts, and the performing arts. A positive result of contemporary critical theory has been to challenge the fundamental boundaries separating the academic disciplines. Theoretical speculations necessarily cross disciplines because investigative methods utilize a variety of disciplines. The Interdepartmental Certificate Program in Critical Theory provides an opportunity for students to work within a multidisciplinary structure and explore elements of theory that will enhance their major areas of study.

Admission Requirements

Any student who has been admitted to graduate study at The Florida State University as a regular or special student may apply for admission to this certificate program by letter to the director of the certificate program outlining the student’s background and interest in certification. The student will then design a program of study in consultation with a faculty member in the program. The student will submit to the director a list of potential courses to satisfy the requirements listed below, approved by either the major professor for the student’s graduate degree program or a professor who is a member of the certificate group.

Admission to the program is dependent on approval issued by the director of the program in consultation with the student’s faculty advisor. This is not a degree program and does not satisfy the requirements of a graduate degree program. The certificate will only be awarded at the completion of a graduate degree.

Requirements

The student must complete eighteen (18) semester hours of course work, including two topics seminars designed to meet the needs of students working in the interdisciplinary field of critical theory. Check with the director for the seminar prefix and section number each semester to find the seminar they may take to fulfill the required requirement. In addition to these two seminars, the student must take twelve (12) semester hours of course work from approved courses such as the samples listed in Area II below. At least one of these courses should be an introductory survey or methods course within the student’s particular discipline.

The course of study must be completed with a “B” (3.0) average or better and with no grade below a 2.0. The certificate will culminate in a paper prepared for publication, revised from course work used for certification, and an oral presentation. Students will work in conjunction with their advisors on this project and will identify several journals and periodicals to which their papers may be submitted. The paper and evidence of course work will then be submitted to the director who will confer a certificate at the student’s completion of a graduate degree at The Florida State University.

Note: a course taken for a degree program can also be used to satisfy the certificate program. Required course work outside of a student’s degree program will therefore vary according to the specific course chosen and overlaps in requirements.
Department of Dance

School of Visual Arts and Dance

Chair: Elizabeth W. Patenaude; Professors: Davis, Farrell, Fichter, Patenaude, Phillips, Sommer, Young, Zollar; Associate Professors: Austin, Corbin, Humphreys, Morgan, Perpener, Sandifer, Welsh; Assistant Professor: Glenn; Associate Director: Clark

The Department of Dance offers work leading to the master of fine arts (MFA) degree in dance and the master of arts (MA) degree in dance with a major in studio and related studies and the master of arts (MA) degree in American dance studies. Currently these are the only graduate dance programs in Florida. Graduate study in dance began at The Florida State University in the mid-1960s, and over the decades has continued to develop its mission: to provide work leading to the Bachelor of Fine Arts, the Master of Fine Arts and the Master of Arts degrees in dance in an environment conducive to the highest caliber of dance training, practice and scholarship. The mission of the Department of Dance in higher education entails 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 voice through exposure to diverse practical and philosophical approaches to dance studies and the development of critical thought processes. Outstanding artists, teachers, and scholars serve on the dance faculty and are committed to the individual mentoring of each graduate student's course of study.

The emphasis of the MFA in dance program is choreography and performance, and the curriculum for each candidate culminates in a graduate thesis concert fully produced in The Nancy Smith Fichter Dance Theatre. The creative component of the degree program is complemented by required work in dance historiography and criticism.

The emphasis of the MA in dance with a major in studio and related studies is choreography and performance with the opportunity for significant investigation into one or more areas of study beyond but related to traditional studio studies. The program should prepare the student to move fluidly through at least one area of specialty into application to the traditional studio life of a dancer.

The emphasis of the MA degree in American dance studies is on the preparation of the scholar. This is a unique program based in research that investigates a wide range of dance practices, from the vernacular and religious to stage forms. The major focus is on American dance forms that are used as a lens to illuminate the deeper background of the intertextual culture that shapes American art. As the integration of theory and practice enhances both art-making and academic inquiry, the student is encouraged to take advantage of the rich array of courses offered through the university.

Visiting artists, guest choreographers, an outstanding dance lecture series and film series are regular enhancements of the curriculum. An ongoing performance and repertory project brings outstanding dance masterworks to campus for performance by The Florida State University dancers, linking the artistic and technical development of dancers to their understanding of the cultural and historical context of the art. The recently established Maggie Allisee National Center for Choreography research center on the university campus, also hosts numerous internationally recognized dance artists.

Requirements for an MFA in Dance

The master of fine arts degree candidate must have completed an undergraduate major in dance or must demonstrate an equivalent level of achievement. Admission into the graduate dance program is determined on the basis of the candidate's audition, interview and credentials. Careful scrutiny will be given to any candidate who does not meet either of the following two University admission requirements: 1) a minimum of 3.0 grade point average on a 4.0 scale on all work attempted while registered as an upper-division student working toward a baccalaureate degree; or 2) a minimum score of 1000 on the combined verbal and quantitative portions of the general aptitude test of the Graduate Record Examination. If a 3.0 GPA has been attained, the GRE is not required. The student's progress is assessed continuously throughout the graduate program. Specific assessment occurs at the end of the first year of graduate study. 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. The amount of work required, in addition to the minimum dance curricular requirements and the minimum University-wide requirements, depends upon the student's undergraduate preparation and level of achievement. The graduate student in dance is expected to maintain continuous participation at the appropriate level in ballet and contemporary dance classes and must achieve designated proficiency levels required for graduation. A graduate candidate who is a returning dance professional with demonstrated technical proficiency may tailor a course of study which will allow more work in the research (both creative and theoretical) and/or production areas.

Summary of Minimum Requirements

The master of fine arts degree in dance requires a minimum of sixty (60) semester hours, normally constituting a three-year course of study. This minimum must contain fifty-two to sixty-four (52–64) semester hours of dance courses, including twenty-two to twenty-four (22–24) semester hours of technique, three (3) semester hours of seminar in dance history and research, twenty-one (21) semester hours of specified theoretical and studio courses, and six (6) semester hours in a final project (creative thesis: graduate concert). Any exceptions to this prerequisite will be determined by the graduate advisor in consultation with the graduate faculty.

1. Dance Technique: Twenty-two to twenty-four (22–24) semester hours and fulfillment of proficiency requirement: DAA 5118, 5218.
2. Seminar: Studies in Dance History and Research, Three (3) semester hours: DAN 5191.
3. Other Dance Courses: Twenty-One (21) semester hours to include: DAA 5618 Choreography, three (3) semester hours; DAN 5158 Theory of Dance Performance and Directing, three (3) semester hours; DAN 5190 Theory and Practice of Technique, three (3) semester hours; DAA 5648 Choreographic Project, three (3) semester hours; DAN 5510 Visual Design for Choreography, three (3) semester hours; Dance History, with specific courses to be selected in consultation with advisor, six (6) semester hours.

4. Final Project in Choreography and/or Performance: Six (6) semester hours: DAN 5972 (creative thesis: graduate concert). All MFA candidates must fulfill a prerequisite by performing or understudying in at least one choreography or restaging produced by graduate faculty or commissioned guest artist before producing his/her own creative thesis. Any exceptions to this prerequisite will be determined by the graduate advisor in consultation with the graduate faculty.

5. Electives: Six to eight (6–8) semester hours. Total: Sixty (60) semester hours.

Comprehensive Examination

To fulfill graduation requirements, the successful completion of a final examination is required: DAN 5960r.

Requirements for a MA in Dance with a major in Studio and Related Studies

The master of arts degree candidate with a major in studio and related studies must have completed an undergraduate major in dance or must demonstrate an equivalent level of achievement. Admission into the graduate dance program is determined on the basis of the candidate’s audition, interview, and writing samples. Careful scrutiny will be given to any candidate who does not meet either of the following two University admission requirements: 1) a minimum of 3.0 grade point average on a 4.0 scale on all work attempted while registered as an upper-division student working toward a baccalaureate degree; or 2) a minimum score of 1000 on the combined verbal and quantitative portions of the general aptitude test of the Graduate Record Examination. If a 3.0 GPA has been attained, the GRE is not required as the audition, interview, and writing samples provide alternate methods of assessing qualifications for admission. The student's progress is assessed continuously throughout the graduate program. Specific assessment occurs at the end of the first year of graduate study. 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. The amount of work required, in addition to the minimum dance curricular requirements and
the minimum University-wide requirements, depends upon the student’s undergraduate preparation and level of achievement.

Summary of Minimum Requirements

The master of arts in dance with a major in studio and related studies requires a minimum of thirty-six (36) semester hours of graduate level course requirements, normally constituting a two-year course of study. This minimum must contain twenty-four (24) semester hours of required courses, including

- three (3) semester hours of seminar in dance history and research, nine (9) semester hours in American dance history, three (3) semester hours in theory of dance, and three (3) semester hours in special topics in dance, and six (6) semester hours of thesis work. Additionally, the student must earn twelve (12) semester hours of electives courses outside the Department of Dance (e.g. in American and Florida studies, history, African American studies, women’s studies, humanities, music, theatre, art history.) The student is required to include some movement experience in his or her degree program. The kind and scope of practical work will vary from student to student depending on his or her professional and educational background, and the individual program of study developed with the advisor. The student must also complete the University-wide requirement regarding foreign language proficiency. This requirement may be met by one of the following: (1) Achieving a satisfactory performance on the Graduate School Foreign Language Test; (2) Completing twelve (12) semester hours of college level foreign language, Labanotation, or Laban Analysis (Effort-Shape) with a 3.0 (“B”) average; (3) Four years of a single language at the high school level; (4) Achieving an intermediate level certification in Labanotation or Laban Analysis. Credit for foreign language courses may not be counted toward elective requirements.

1. Seminar: Studies in Dance History and Research, Three (3) semester hours: DAN 5191.
3. Theory of Dance: Three (3) semester hours: DAN 5128.
4. Special Topics in Dance: Three (3) semester hours: DAN 5930.
5. Masters Thesis in Dance History: Six (6) semester hours: DAN 5973.
6. Electives: Twelve (12) semester hours.
Total: Thirty-six (36) semester hours.

Comprehensive Examination

To fulfill graduation requirements, the successful completion of a final examination is required: DAN 5960r.

Graduate Apprenticeship/Assistantship Program

Completion of the graduate apprenticeship/assistantship program is required to be eligible for a teaching assistantship. In special cases, this requirement may be modified or waived if there is sufficient knowledge of candidate’s teaching ability.

Definition of Prefixes

DAA — Dance, Emphasis on Activity
DAE — Dance Education
DAN — Dance

Graduate Courses

DAA 5118r. Contemporary Dance (1–3). Facility placement or consent of instructor required. May be repeated to a maximum of eighteen (18) semester hours.
DAA 5131r. Ballet (1–2). Facility placement or consent of instructor required. May be repeated to a maximum of eighteen (18) semester hours.
DAN 5618. Choreography (3). Study of aesthetic issues in choreographic process, development and critical analysis of choreographic studies; delination of prospectus for extended choreography.
DAN 5648r. Choreographic Project (2–6). (SU grade only.) Conception, development, and production of an extended choreographic work. May be repeated to a maximum of ten (10) semester hours.
DAA 5688r. Dance Ensemble (1). (SU grade only.) Extensive studio work in a dance ensemble under the direction of the Graduate Apprenticeship/Assistantship Program. Official casting and faculty approval required. May be repeated to a maximum of three (3) semester hours.
DAA 5690e. Dance Performance (1–2). Preparation and public performance of selected roles in the repertoire of dance theatre and/or dance studio theatre. Official casting and faculty approval required. May be repeated to a maximum of ten (10) semester hours.
DAA 5590r. New York City: Arts and Resources as the Art Event (3). This course investigates, experientially and academically, New York City’s resources. Using performances and exhibitions as the center point, the relationships among the various components that constitute New York’s dramatic avant-garde are explored. May be repeated within the same semester.
DAE 5387. Dance History Pedagogy (3). This course introduces students to basic dance history, dance history and dance appreciation at the undergraduate level. A maximum of three (3) semester hours may apply toward the master’s degree.
DAN 5126. Current Issues in Dance History, Theory, and Research (1–3). This course introduces students to current trends in dance history, theory and research methodology. As the field of dance scholarship is currently undergoing dramatic, paradigm-shifting changes, the content of this course changes each semester to include the most current information. May be repeated to a maximum of nine (9) semester hours.
DAN 5127. Dance History Pedagogy (3). This course introduces students to basic skills necessary to teach dance history and/or dance appreciation courses at the undergradu-
ate and college/university level. Students develop practical knowledge of dance and command of specific dance history content with pedagogical knowledge. Students create course syllabi and lesson plans, and discuss a range of theoretical and practical teaching issues.
DAN 5128. Theory of Dance (3). Course focuses on the study of theoretical approaches to dance as evidenced by the work of influential scholars in the field of dance theory.
DAN 5147. History of American Dance 1492–1892 (3). A course of study covering the evolution of American dance history from 1492–1892. A maximum of three (3) semester hours may apply toward the master’s degree.
DAN 5148. History of American Dance 1892–1960 (3). A course of study covering the evolution of American dance history from 1892–1960. A maximum of three (3) semester hours may apply toward the master’s degree.
DAA 5184. Dancing in the Movies (3). Traces the evolution of dance in the American popular film industry. Emphasis is placed on how movies encapsulate popular stereotypes and icons, revealing the roles of gender, race, fashion, economic and political forces.
DAN 5190. Theory and Practice in Dance Technique (3). The study and studio exploration of selected dance technique systems, with specific reference to their historic, kinesiotic, and aesthetic parameters.
DAN 5191s. Seminar Studies in Dance History and Research (3). Development of advanced research skills in the area of dance history. Dance majors only. May be repeated to a maximum of six (6) semester hours.
DAN 5193. History of African American Social Dance of the Twentieth Century (3). Traces the major African-American social dance 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.
DAN 5486. Documentation Techniques (3). Prerequisite: DAN 4418. This course combines hands-on experience with reading, discussion, and critique to develop technical skills and aesthetic awareness related to the documentation of concert dance. The course requires a significant research paper on current practices in dance documentation and a directing project for a dance concert documentation.
Center for DEMOGRAPHY AND POPULATION HEALTH

COLLEGE OF SOCIAL SCIENCES

Director: Elwood D. Carlson (Sociology);
Professors: Eberstein (Sociology), Schmertmann (Demography), Tunmer (Sociology), Associate Professors: Brewster (Sociology), Miles (Urban and Regional Planning), Simon (Sociology); Assistant Professors: Gravelle (Anthropology), Heron (Sociology), Lloyd (Sociology), Tiffman (Sociology); Professor Emeritus: Nam

The Center for Demography and Population Health is concerned with developing a sound basis for theoretical and applied research on human populations. It combines disciplinary perspectives of sociologists, planners, geographers, political scientists, and other social scientists, as well as behavioral and medical scientists. The centers research and training programs are supported by grants and contracts from private and public entities concerned with the health and well-being of human populations. The center offers a master’s degree in demography and also cooperates in the graduate programs of departments in the College of Social Sciences, wherein candidates for degrees may elect demography as an area of concentration. Graduate students in other colleges and schools within the University are also welcome to participate in the center’s research and training activities.

The center is often able to provide research assistantships to graduate students in the master’s program, as well as to those concentrating in demography in other graduate programs. These assistantships afford students the opportunity to gain practical research experience while working in close collaboration with faculty and other students. The center also awards the William Serow Prize, a scholarship providing supplemental financial support, to outstanding students in the master’s degree in demography program. The center maintains its own computer laboratory and library facilities, which are available to students in the master’s program and which support the center’s research and training activities. The faculty is very active in research activities and frequently invites students to participate in all phases of a research project. The faculty is often invited to serve as consultants to national and international agencies and as officers or directors of professional organizations in demography and allied fields.

Requirements

The center offers a program of study leading to the master of science (MS) degree in demography. This program has been designed for students who wish to specialize in population studies and to develop proficiency in the use of demographic data, methods, and theory. Emphasis is placed on the development and refinement of intellectual and technical skills useful in research activities. Students entering the program should have career objectives that direct them toward research or professional positions in the public or private sectors. Basic knowledge and skills are obtained through the completion of a fifteen (15) semester hour demographic core, while substantive specialization is obtained by completing an additional thirteen (13) semester hours of elective courses approved by the director; at least six (6) of these hours must be from the list of demographic electives listed below. In addition, each student must complete a master’s research paper (six [6] semester hours) in order to receive the master’s degree. A minimum of thirty-three (33) semester hours are required to earn the MS degree in demography.

A candidate for the program will be admitted by meeting the University general requirements for graduate study and by the consent of the director of the center. Candidates wishing to pursue an academic career that normally requires a doctorate have the option of seeking admission to the graduate program of one of the departments (sociology, economics, urban and regional planning, political science) that offers a doctoral concentration in demography/population studies.

Courses

Description of individual courses can be found under the departmental listings and at http://www.popcenter.fsu.edu.

Required Demographic Core

Fifteen (15) semester hours, chosen from the following:

• Three (3) semester hours of either ECP 5115 (Economics of Population) or SYD 5045 (Introduction to Demography);
• Three (3) semester hours of SYD 5135 (Techniques of Population Analysis);
• Three (3) semester hours of either GEO 5139 (Geographic Information Systems) or URP 5272 (Urban and Regional Information Systems);

Note: the above courses are normally offered in the Fall semester; the courses listed below are generally offered during the Spring semester.

• Three (3) semester hours of either SYD 5215 (Mortality), SYD 5225 (Fertility), or SYD 5235 (Mobility); and
• Three (3) semester hours of either ECP 5116 (Applied Economic Demography) or URP 5261 (Methods of Planning Analysis III: Plan Development).

List of Graduate-Level Courses for Demographers

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<tr>
<th>Course</th>
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<td>Special Topics in Demography</td>
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<td>DEM 5972</td>
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<td>Masters Research Paper in Demography</td>
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<tr>
<td>ECO 5425</td>
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<td>GEO 5157</td>
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<td>GEO 5159</td>
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<td>GEO 5605</td>
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<td>SYA 5345</td>
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<td>SYD 5105</td>
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<td>SYD 5135</td>
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<td>SYD 5137</td>
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<td>Fundamentals of Epidemiology</td>
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<td>SYD 5145</td>
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<td>SYD 5215</td>
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<td>Mortality</td>
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<td>SYD 5235</td>
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<td>Policy and Planning for the Aging</td>
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<td>URP 5614</td>
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<td>Population and Development Planning</td>
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DEMOGRAPHY AND AREA STUDIES

see also Middle and Secondary Education;

Political Science: Sociology

DEVELOPING AREAS, PLANNING FOR

see Urban and Regional Planning

DEVELOPMENTAL PSYCHOLOGY

see Psychology

DIETETICS

see Nutrition, Food and Exercise Sciences
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, Feiock, Gwartney, Holcombe, Rasmussen

The DeVoe L. Moore and Family Center for the Study of Critical Issues in Economic Policy and Government is an interdisciplinary unit in the College of Social Sciences dedicated to increasing knowledge and public understanding about the role of government in a market economy. The center emphasizes the study of how government rules, regulations, and programs affect the economy and individuals. Bringing the insights of economics, political science, and public administration to the study of state and local regulations is a major focus of the center’s efforts.

The center’s faculty engages in research designed to increase understanding about the effects of local and state rules and regulations. The center also sponsors annual conferences that bring national leaders and scholars to The University to discuss policy questions. Graduate students in the College of Social Sciences are encouraged to participate in the program’s annual conferences, symposia, and research projects. Graduate students are employed on research contracts and grants as a basis for their contributions in time and skill. The center offers fellowships for students writing dissertations on subjects related to the center’s mission.

ECOLOGY

See Biological Science

Department of ECONOMICS

COLLEGE OF SOCIAL SCIENCES

Chair: James H. Cobbe; Professors: Benson, Cobbe, Fournier, Gwartney, Holcombe, Ihlanfeldt, Isaac, Macesich, Macpherson, Marquis, Norrbin, Rasmussen, Sass, Schlagenhauf, Schmertmann; Associate Professors: Beaumont, Mason, McCaleb, Prasad, Ziehlke; Assistant Professors: Atolia, Bokhari, Burke, Lee, Salmon; Visiting Assistant Professor: Garriga, Heiland, Courtesy Professors: Du Mond, Elzie, Fabricant, Harris, Klick, Stratis; Professors Emeriti: Bell, Canterberg, Downing, Laird, Rockwood, Sliger, Sorensen; Lecturers: Calhoun, Carr

The Department of Economics offers programs leading to the master of science and doctor of philosophy degrees.

The department has a history of emphasizing research and publication. Department graduates have found a ready market in academe, in government at all levels, and in business. The department also offers an opportunity to specialize in seven different fields, in addition to core areas of study. At least two professors have expertise in any given field of specialization. These factors, along with a highly favorable student-faculty ratio, permit much personal interaction between students and professors and allow for considerable flexibility in the program of study a student might choose.

In addition to listed fields of study, the department offers students the opportunity for interdisciplinary work. A variety of interdisciplinary programs is available, including demography, gerontology, economics of education, and economic policy and government. Specialties in other fields outside the department, particularly statistics, finance, supercomputing, and other areas in the social sciences, are also available.

A detailed description of graduate work in economics appears in the Guide for Graduate Students in Economics. The Guide may be obtained by writing to: Director of Graduate Studies, Department of Economics, Tallahassee, FL 32306-2180.

Admission Requirements

A combined score of at least 1000 on the verbal and quantitative aptitudes portions of the Graduate Record Examinations (GRE) and an upper division grade point average of at least 3.0 are required for admission. Prior graduate training must show a minimum grade point average of 3.4.

Applicants should provide the department with at least three letters of recommendation which address the applicant’s potential for graduate study.

International applicants, whose native tongue is not English, must achieve a minimum score of 213 on the Test of English as a Foreign Language (TOEFL). An exception to this rule can be made for those who have a degree from an English-speaking country.

Exceptions to these departmental standards can be made when post-college experience or specific training suggests the applicant would contribute meaningfully to the graduate program.

Students who have completed undergraduate courses in intermediate microeconomics, intermediate macroeconomics, calculus, and statistics, or their equivalent, should arrange to enter the program in the fall term, or be prepared for delays in completion of their program of study, owing to the way in which required core courses are sequenced. Students without background courses should arrange to arrive on campus in time to complete these background courses prior to the beginning of their Fall term of study.

Application Deadlines

Completed admission applications for U.S. citizens should be submitted at least one month prior to the term the student plans to enter the University; foreign nationals should apply no less than three (3) months ahead. It is recommended that those interested in being considered for a departmental research or teaching assistantship have a completed application on file with the Department of Economics by February 15th, for fall entry into the graduate program.

Departmental Teaching and Research Assistantships

Between 20 and 25 teaching and research assistantships are offered by or through the department each academic year. Graduate assistants normally take nine (9) hours of academic work per semester. Assistantships may be either ten (quarter time) or 20 (half time) hours per week. At present, half-time assistantships pay $12,000 for nine months. Summer stipends are awarded separately.

Currently, all departmental assistantships for U.S. residents carry with them waivers of tuition and out-of-state tuition fees, but not other nonwaivable mandatory fees. For the 2005 academic year, the value of these waivers was $184.74 per credit hour for in-state students or $757.45 per credit hour for out-of-state students. It is not usually possible for the department to waive out-of-state tuition for non-residents of the United States, even if they are offered an assistantship.

Students entering the PhD program with a bachelor of science degree may apply for a department assistantship for a maximum of four years. Students entering with a master’s degree may apply for a maximum of three years. Assistantship appointments are for the academic year. Renewal of an assistantship requires that the student make normal progress in terms of grades, job performance, and timely completion of the required examinations. Subject to availability of funds, if other progress is normal, students who maintain a graduate grade point average (GPA) of at least 3.3 can expect continued financial support.

The department does not require any separate application forms for those who desire financial aid. Although there is no formal deadline, assistantships allocated to entering students are usually assigned by March 15th for the subsequent academic year. All awards are made on the basis of academic achievement and professional skill development.

University and college fellowships, fellowships and assistantships for minority students, and student loans are separately applied for and have separate deadlines. Fellowship applications are due in January.

Master of Science Program

A student seeking the master’s degree must complete thirty (30) or thirty-three (33) semester hours of course work at the graduate level depending on the program taken. Students thus may select one of two options. They may complete twenty-four (24) semester hours of courses at the graduate level and, in addition, write a thesis for which six (6) hours of credit are granted, or they may complete twenty-seven (27) hours of graduate courses and, for six (6) additional semester hours, complete an applied project under faculty supervision. The thesis must be defended orally before a faculty committee. Two courses in microeconomics, two in macroeconomics, and two in quantitative methods are required of all master’s students.
Graduate Courses

The department offers some graduate courses that are normally not taken by graduate students pursuing degrees in economics but which are intended mainly for students in other programs in the College of Social Sciences, such as international affairs, or in other colleges and schools of the University. These courses include ECO 5005, 5111, 5205, 5226, 5705, 5715, ECO 4015, ECO 5216, and ECO 5226. ECO 4015, 5111, 5205, and ECO 5226 are listed as prerequisites for those courses, ECO 5005 may be substituted for ECO 2013 and 2023. ECO 5005: Economic Principles for International Affairs (3). Course serves as an introduction to economics for graduate students in majors other than economics. Covers material in ECO 2013 and ECO 2023 in one semester. Intended for international affairs graduate students and similar.


ECO 5114: Applied Microeconomics I (3). This is a beginning graduate course in microeconomic analysis. The course is designed to prepare students for subsequent work in microeconomic analysis and in applied microeconomics courses such as public finance, industrial organization, and labor economics.

ECO 5115: Market Products and the Theory of the Firm (3). Consumer choice, demand theory, production theory, costs, market supply, theory of the business firm, and allocation under the competitive market structure. Undergraduate price theory is a prerequisite.

ECO 5116: Imperfect Competition, Factor Markets, and Income Distribution (3). Prerequisite: ECO 5115 or consent of instructor. Monopoly, oligopoly monopolistic competition, derived demand and theory of factor markets, general equilibrium analysis, welfare economics, interdependence, income distribution, and public choice theory.

ECO 5117: Applied Microeconomics II (3). Prerequisite: ECO 5114. This course will explore such topics in applied microeconomics as demand estimation, hedonic models, cost functions, cost-benefit analysis, tax incidence, event studies, selection bias, and earnings equations. A student project is required.

ECO 5204: Macroeconomic Theory I (3). This course introduces the basic tools in macroeconomic theory.

ECO 5205: Money and National Income Determination (3). Prerequisites: ECO 2013, 2023, 3223. 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. A project will be required of each graduate student.

ECO 5206: Macroeconomic Theory, Practice, and Policy (3). This course investigates the classical and Keynesian models of income determination, post-Keynesian macro models, modern long-wave theories of economic fluctuations, productivity, and introduction to dynamic macro systems.

ECO 5207: Macroeconomic Theory II (3). Prerequisite: ECO 5204 or permission of instructor. This course explores further macro dynamics, the quantity theory, determinants of the demand for and supply of money, and money models.

ECO 5208: Global Macroeconomics (3). Prerequisite: ECO 5206. This course is a continuation of the first macroeconomics course for master’s students. Though the focus will be on macroeconomic applications, macroeconomic theory will be expanded to consider the implications of income distributions, wealth distributions, financial market innovations, price markup practices, and global integration for macroeconomics.

ECO 5226: Issues in Money and Banking (3). Prerequisite: ECO 2013, 2023. This course focuses on the role of monetary policy. Various macroeconomic theories is emphasized. Coverage over the effects monetary policy has on employment, inflation, and interest rates is emphasized.

ECO 5281: Financial Economics I (3). This course is intended to provide a comprehensive introduction to the field of financial economics. The class focuses on static and dynamic consumption based on asset pricing models and a few elementary applications. The class is designed to set up the framework for modern corporation, financial institutions and monetary policy issues, which will be the basis for more advanced work.

ECO 5282: Financial Economics II (3). This course focuses on three broad areas: production-based asset pricing theory and corporate finance; financial intermediation; and monetary theory and policy. Partial emphasis is placed on the economic role played by commercial banks in private information economics, and on the effect of Federal Reserve policy on financial markets.

ECO 5305: History of Economic Thought (3). This course covers key historical economics, with focus on the Greeks. Concentration will be upon classical economists.

ECO 5403: Static Optimization in Economics (3). Mathematical methods used for the solution of static optimization problems in economic theory.

ECO 5408: Computational Economics I (3). Prerequisite: ECO 5423. Topics include solutions of linear and nonlinear systems of equations, numerical integration and differentiation, optimization, Monte Carlo and stochastic simulation, finite element and spectral solution methods for ordinary and partial differential equations, dynamic programming and stochastic optimal control, and asymptotic perturbation methods.

Econometrics I (3). This course is an introduction to econometric methods focusing on the statistical foundation for estimation and inference in the classical regression model.

ECO 5420: Basic Applied Econometrics (3). This course introduces students to statistical inference, estimation, model building and forecasting methods. An emphasis is placed upon model building and policy analysis. Extensive use is made of PC econometric software.

ECO 5423: Econometrics II (3). Prerequisite: ECO 5416 or permission of instructor. This course considers extensions of the classical regression model. Topics include nonlinear least squares, instrumental variables estimation, and generalized least squares.

ECO 5424: Simultaneous Equation Models (3). Prerequisite: ECO 5423. This course covers simultaneous equation estimation methods including: identification, two-stage least squares, three-stage least squares, and limited and full information maximum likelihood estimation. Other topics include Monte Carlo methods, dynamic systems of equations, and stochastic simulation methods. Data analysis and model building experience is emphasized with heavy use made of PC and mainframe software.

ECO 5425: Time Series Analysis (3). Prerequisite: ECO 5423. Univariate and multivariate time series methods including: univariate ARIMA, transfer function models, state space models, vector auto-regression models, vector error correction models, spectral analysis, causality tests, and unit root tests. Data analysis and model building are emphasized.

ECO 5427: Limited Dependent Variable Models (3). Prerequisite: ECO 5423. This course introduces graduate students to logit, probit, tobit, multinomial logit, selection, and hazard models.

ECO 5434: Economic Forecasting (3). The primary objective of this course is to introduce the basic methods of modern quantitative forecasting. The course focuses on how to do forecasting, calculating forecasts, and how to present forecast results in a concise report that others can understand.

ECO 5505: Public Finance (3). Principles of taxation and debt, shifting and incidence, public expenditures and redistribution theory.

ECO 5533: Public Choice (3). The role of government, public goods and externalities, voting and collective choice, bureaucracy theory, and political structure and economic organization.

ECO 5705: International Trade (3). Prerequisites: ECO 2013, 2023. Theory of international trade, the gains from trade, tariffs and other trade restrictions, and international trade theory.

ECO 5706: Seminar in International Trade Theory and Policy (3). Theories of the cause, magnitude, and pattern of trade among nations, ranging from comparative cost explanations to Heckscher-Ohlin theories and recent approaches. Policy issues regarding contemporary international trade problems, the role of tariffs, and quotas also are covered.

ECO 5715: International Finance (3). Prerequisites: ECO 2013, 2023. ECO 3223 and 4203 are recommended. Background courses. Balance of payments; disequilibrium and adjustment; birth, evolution, and demise of the Bretton Woods System; the managed float; international monetary reform; international factor movements, multinational corporations.

ECO 5716: Seminar in the Theory and Policy of International Finance (3). Institutional characteristics of international financing of trade, relations between money flows and real trade, theories of foreign exchange and short-term capital flows, international reserve flows, alternative exchange rate systems. Contemporary international monetary problems and the role of aid in economic development also will be discussed.
ECO 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

ECO 5907r. Directed Individual Study (3). Prerequisite: Permission of instructor. May be repeated to a maximum of nine (9) semester hours.

ECO 5914. Supervised Research (1–5). (S/U grade only.) A maximum of three (4) semester hours may apply to the master's degree. May be repeated to a maximum of five (5) semester hours.

ECO 592r. Professional Development for Economists (0–2). Prerequisite: MS program in Economics. This course covers issues of ethics and responsibilities for professional economists, and presentations and discussions of the work of professional economists in the public and private sectors by faculty and visiting economists.

ECO 5932r. Graduate Tutorial in Economics (1–3). (S/U grade only.) Prerequisites: Economics graduate student, instructor’s permission. In-depth study of specific topics in economics. Enrollment limited to five (5) students. May be repeated to a maximum of six (6) semester hours.

ECO 5935r. Seminar in Political Economy (1–3). Prerequisite: Permission of instructor. This course covers a changing agenda of contemporary topics in political economy. Students are expected to write and present major research papers for discussion in the seminar. Topics vary from term to term and writing assignments are associated with the seminar topics. May be repeated to a maximum of six (6) semester hours.

ECO 5940r. Supervised Teaching (1–5). (S/U grade only.) A maximum of six (6) semester hours may apply to the master's degree. May be repeated to a maximum of five (5) semester hours.

ECO 5971r. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours is required.

ECO 5972. Extended Master's Paper (3). (S/U grade only.)

ECO 5973r. Applied Master's Project (3). Prerequisites: ECO 5114, 5117, 5206, 5208, 5420, 5434, or permission of instructor. The capstone for the applied master's degree. This project requires students to use theory, research methods, and analytical procedures learned in the program to research an applied economic question. Findings are presented in both oral and written format. The 3-hour project is taken in both 2-week summer sessions, for a total of six (6) semester hours. May be repeated to a maximum of nine (9) semester hours.

ECO 6209. Topics in Macroeconomics (3). This course surveys recent developments in macroeconomic theory with an emphasis on developing research skills in an applied context. Topics include endogenous growth, economic convergence and technological diffusion across countries, money and growth, and modern business cycles.

ECO 6936. Topics in Microeconomics (3). Prerequisites: ECO 5115, 5116, or consent of instructor. Competitive general equilibrium models: fundamentals and welfare economics; market failure (externalities and public goods); game and decision theory; the economics of uncertainty (theory and applications).

ECO 6938r. Doctoral Workshop (0–3). (S/U grade only.) Informal seminars and colloquia for critical review of research work in progress and advanced research topics, presented by doctoral students, faculty, and visitors. Registration for credit requires departmental approval. May be repeated to a maximum of twelve (12) semester hours.

ECO 6939r. Teaching Workshop (0–3). (S/U grade only.) Informal seminars and colloquia on topics and issues related to teaching and academic advising of economics students, faculty, and visitors. May be repeated to a maximum of six (6) semester hours.

ECO 6960r. Preliminary Examination Preparation (0–12). (S/U grade only.) Prerequisites: ECO 5115, 5116, 5204, 5207. Open to students who have completed the core PhD courses and are engaged in intensive study for their PhD preliminary examinations. May be repeated to a maximum of twelve (12) semester hours.

ECO 6968r. Directed Dissertation (1–24). (S/U grade only.)

ECO 8965r. Master’s Comprehensive Exam (0). (P/F grade only.)

ECO 8969r. Preliminary Doctoral Examination (0). (P/F grade only.)

ECO 8970r. Master’s Thesis Defense (0). (P/F grade only.)

ECO 8985r. Dissertation Defense (0). (P/F grade only.)

ECP 5115. Seminar in the Economics of Population (3). Theoretical and empirical treatment of the determinants of demographic behavior in less and more developed nations, the economic consequences of the behavior, and implications of both demographic policy and events for economic theory and policy. Prerequisite: ECO 6916. Applied Economic Demography (3). Prerequisite: ECO 5115 or consent of instructor. Applications of econometric techniques to demographic problems. Case studies of problems, with missing or incomplete data. Projections and estimates of population, demographic and economic characteristics. May be repeated to a maximum of six (6) semester hours.

ECP 5171. Mathematical Demography (3). An introduction to the central analytical techniques of modern population study. Analysis including stable population theory, indirect estimation, continuous and discrete time formulations are considered, generalizations of the standard model with fixed mortality and fertility are also examined. Parametric models of fertility, mortality, stable populations, and the curtosis fitting techniques underlying these approaches are reviewed.

ECP 5205. Labor Markets (3). The primary topics of the course are labor demand and supply, wage differentials, unions and the operation of labor markets, labor mobility, and the dynamics of labor markets.


ECP 5415. Social Control of Business (3). The role of the state in establishing the framework of the market economy; control enforced through competition, regulated industries, and nationalized industries.

ECP 5536. Seminar in Health Economics (3). Provides an in-depth analysis of a wide variety of problems, both theoretical and applied, in the area of health care economics. The major topics to be covered include: demand for health, medical care market, health insurance; hospitals and physicians; cost containment measures, Medicare prospective payment, financing uncompensated care, and long-term care.

ECS 5606. Urban and Regional Economics (3). Prerequisites: ECO 2013. This course introduces students to the evolution of cities, along with issues with which cities and regions must deal (e.g., sprawl, pollution, congestion, transportation, poverty, housing and neighborhood development, public finance) to be examined from an economic perspective. The content lays the foundation for an analysis of policy alternatives to deal with these issues.


ECO 6980r. Seminar in Comparative Economics Systems (3). Utilization of basic economic tools and concepts to analyze efficiency and optimality considerations of various economic systems. Both theoretical models of economic systems and actual case studies will be utilized.

ECS 5015. Economic Development: Theory and Policy (3). Overall description of the economic development process, the development of, and specific issues, e.g., industrialization, human capital, human resources, foreign sector, income distribution, rural development, international trade, technology transfer, and multinational corporations.

ECS 5028. Economies in Transition (3). Prerequisites: ECO 2013, 2023. The analytical focus of this course is concentration on the markets and institutionally-based forces of transition from centrally planned command economies toward market economic systems.

ECONOMIC PROBLEMS AND POLICY see Economics

ECONOMIC SYSTEMS AND DEVELOPMENT see Economics; Latin American and Caribbean Studies

EDUCATIONAL ADMINISTRATION/ LEADERSHIP see Educational Leadership and Policy Studies

Schroeder, Sharleg, Wallatt; Adult Education—Associate Professor: Easton; Professor Emeritus: Jahns

The department offers graduate study programs leading to the following degrees in adult education, educational administration/ supervision, educational psychology, and educational research: education and higher education: master of science (MS), educational specialist (EdS), doctor of education (EdD), and doctor of philosophy (PhD). In addition, certificate programs are offered in college teaching, educational policy, and human resource development.

The department builds educational programs on the foundation of the sociological, anthropological, historical, philosophical, political, and economic perspectives that shape theory and inform practice in education. Using these understandings as a foundation, each student’s program of study will include courses and practical experiences that enhance skills in the theory and practice of educational leadership and policy, and courses that develop the inquiry skills needed for structuring and implementing educational and policy-research strategies. This program offers a foundation for those who wish to pursue a career in teaching, human resource development, the ethical foundations of democratic leadership, and the knowledge base for professional practice shared by high-performing educational leaders. It is committed to advancing the theories and practices of policy and leadership in the field of education, both domestic and international. This is achieved through the research, service and teaching roles of its faculty and through the maintenance of an environment in which students and faculty cooperatively and

Department of EDUCATIONAL LEADERSHIP AND POLICY STUDIES

Chair: Carolyn Herrington; Educational Administration/Leadership—Professor: Beckham, Herrington, Irvin, Kunkel, Thomas, Wetherbee; Associate Professor: Russ, Bender, Kropf, Mann, Wagaman; Foundations of Education—Professor: Milton; Associate Professor: MacDonald; Assistant Professors: Cohen-Vogel, Harris, Iatarola, Milligan, Monkman; Professors Emeriti: Grant, Papagiannis, 

The Florida State University
collegially contribute to scholarship and the application of knowledge to the improvement of education.

The following are offered by the Department of Educational Leadership and Policy Studies: Adult education Comprehensive vocational education Educational leadership/admission Educational policy, planning, and analysis Foundations of education History and philosophy of education International/intercultural development education Social science and education Higher education Institutional research Evaluation and Measurement Certificate in college teaching Certificate in education policy Certificate in human resource development

Admission Requirements
Application for admission, application fee official transcript from each college attended, and a transcript of Graduate Record Examinations (GRE) scores should be sent to: Office of Admissions, A2500 University Center, The Florida State University, Tallahassee, FL 32306-2400. The following items should be sent to the Department of Educational Leadership and Policy Studies, 113 Stone Building, The Florida State University, Tallahassee, FL 32306-4452: 1) a letter of intent that explains the basis for the applicant’s pursuit of the degree and his or her commitment to the field of adult education, educational administration/supervision, comprehensive educational leadership, higher education, history and philosophy of education, international/intercultural development education, social sciences and education or foundations of education; 2) a resume’ providing a record of the applicants educational and work history; 3) letters of recommendation from three persons who know the applicant’s educational and/or professional background and believe that the individual will be making an appropriate career commitment by enrolling in an educational leadership and policy studies program at The Florida State University; and 4) a combined score on the quantitative and verbal portions of the GRE. All applicants must present a GRE score prior to the time of admission. Foreign nationals whose native language is not English must present a minimum score of 550 on the TOEFL examination.

ADULT EDUCATION

The graduate program of adult education offers master’s, specialist, and doctoral degrees and a certificate program. Its purpose is two-fold: to prepare present and future leaders and policymakers for positions of responsibility in institutional and agency settings concerned with adult learning and the education of adults and to contribute to a growing body of knowledge about the dynamics of adult education in its social context through the conduct of research and through training of students in appropriate research skills. The adult education curriculum encompasses the nature, processes, and issues of the general field of adult/continuing education and related specialties. Courses draw from the adult education body of knowledge as well as knowledge from the social sciences, educational foundation areas, and methods of inquiry. Core course requirements at the department and the program level serve as a basis for further study and specialization.

The adult education curriculum approach allows individual students to apply a complementary set of skills and analytic perspectives to the specific issues and forms of adult education that are of greatest interest to them. Our focal concern is with the program development process. The course content as well as research experiences by faculty and students relates directly or indirectly to policies, programs, and issues associated with program development. The contexts for this work may be local, state, national, and/or international. Settings in which graduates of the program typically assume positions of responsibility include universities, colleges, and public schools, as well as government agencies, foundations, professional associations, health care systems, and religious, business, industrial, or community-based organizations concerned with issues of continuing education and life-long learning.

Certificate in Human Resource Development
The interdepartmental human resource development (HRD) certificate is designed specifically for those interested or already involved in human resource development responsibilities in organizational settings. Courses are available from several COE departments, including adult learning, program development, instructional design, evaluation, career development, and HRD system management. Fifteen (15) semester hours of core and elective courses are required. The certificate is available to special (non-degree seeking) students or to any graduate student in good standing.

Definition of Prefix
ADE Adult Education

Graduate Courses

ADE 5906. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.
ADE 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of two (2) semester hours. A maximum of three (3) hours may apply to the master’s degree.
ADE 5932r. Special Topics in Adult Education (1–3). Topical areas vary to focus on current concerns and issues in the field not addressed in other courses. Areas presently offered include leadership in adult education enterprises, participatory planning research and evaluation, and foundations of HRD policy. May be repeated to a maximum of twelve (12) semester hours.
ADE 5942r. Internship in Continuing Education (2–4). (S/U grade only.) A directed practicum to develop administrative and programming competencies by translating theory into practice, testing principles, and evaluating actions. May be repeated to a maximum of twelve (12) semester hours.
ADE 5944r. Supervised Teaching (1–4). (S/U grade only.) Designed to provide an opportunity for graduate students to engage in experimental teaching situations under the guidance of a faculty member. A maximum of three (3) hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.
ADE 5971r. Master’s Thesis (1–6). (S/U grade only.) Minimum of six (6) semester hours required.
ADE 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) Minimum of six (6) semester hours required.
ADE 6676. Human Resource Development Policy Seminar (3). Examines the policy implications of HRD practice and the kinds of reforms in corporate, community and public life that are required in order to make lifelong learning a reality. Develops the skills of participants in diagnosing problems and issues in human resource development environments in social institutions, and devising new HRD-supportive policies.
ADE 6772r. Research Seminars in Adult Education (1). (S/U grade only.) Critical analysis of research literature pertaining to the general field of adult education. May be repeated to a maximum of two (2) semester hours.
ADE 6920r. Adult Education Colloquium (1). (S/U grade only.) Lectures and discussion by distinguished educators, social scientists, graduate students, and students. May be repeated to a maximum of three (3) semester hours.
ADE 6931r. Research Seminar in Adult Education (1). (S/U grade only.) Critical analysis of research literature pertaining to the general field of adult education.
ADE 6960r. Dissertation (1–12). (S/U grade only.)
ADE 8956r. Master’s Comprehensive Examination (0). (P/F grade only.)
ADE 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)
ADE 8976r. Master’s Thesis Defense (0). (P/F grade only.)
ADE 8985r. Dissertation Defense (0). (P/F grade only.)

ADE 5189. Staff Training and Development (3). Theory and practice of training and staff development based on the design and use of experiential instructional interventions to enhance individual, group and organizational efforts.
ADE 5212. Problems in the Organization and Administration of Adult Education (3). Prerequisite: ADE 5080. Emphasis is on general administrative processes and an analysis of the major purposes of the adult education organization.
ADE 5380. Processes of Community and Adult Education (3). Focus is on processes of planned change through formal and informal adult and continuing education programs in a variety of community and agency contexts.
ADE 5385. Adult Learning (3). A critical examination of major problems in adult learning. Emphasis given to the psychological factors affecting learning ability, achievement, and motivation through the adult life-cycle.
ADE 5675. Issues in Adult and Continuing Education (3). Prerequisite or Corequisite: ADE 5080. An exploration and analysis of philosophical, theoretical, and practice issues which shape research and practice in adult and continuing education.
ADE 5773. Strategies for Participatory Research, Planning and Evaluation (3). Explores strategies and experiences of participatory research, evaluation management and planning in a variety of contexts: educational systems, businesses, public agencies and community organizations, both in this country and abroad.
ADE 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.
ADE 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of two (2) semester hours. A maximum of three (3) hours may apply to the master’s degree.
ADE 5932r. Special Topics in Adult Education (1–3). Topical areas vary to focus on current concerns and issues in the field not addressed in other courses. Areas presently offered include leadership in adult education enterprises, participatory planning research and evaluation, and foundations of HRD policy. May be repeated to a maximum of twelve (12) semester hours.
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ADE 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)
ADE 8976r. Master’s Thesis Defense (0). (P/F grade only.)
ADE 8985r. Dissertation Defense (0). (P/F grade only.)
FOUNDATIONS OF EDUCATION

The graduate program in foundations of education offers master’s, specialist, and doctoral degrees in three majors: history and philosophy of education, international/intercultural development education, and educational and social sciences and education.

Definition of Prefix

EDF 5440. Survey Research Methods (3). Introductory course in the design, use, and analysis of questionnaires for data collection. Research questions, methods and strengths and weaknesses of various methodologies will be discussed. Hands-on practice in questionnaire design.

EDF 5480r. Analysis of Educational Data (2). Prerequisite or Corequisite: EDF 5480 or equivalent. Assumes students have Statistical Package for the Social Sciences (SPSS) knowledge. Emphasis on text on remote terminals, data collection, and management.

EDF 5517r. History of Education in The United States (3). This course examines the evolution of education in the United States from the colonial era to the modern era. It includes the history of American teachers and a critical examination of issues surrounding race, ethnicity, social class and gender in the development of formalized educational systems.

EDF 5543. Introduction to Philosophy of Education (3). A survey of contemporary approaches to philosophy of education, including neo-pragmatism, post-structuralism, feminist theory, critical theory, existentialism and analytic philosophy. Emphasis will be given to understanding the functions of education and its implications for education in a culturally diverse democratic society.

EDF 5551. Sociology of Education and Education (3). Course examines social and political philosophies such as liberalism, communitarianism, functionalism, critical theory, pragmatism and feminism and their implications for educational policy and practice in a democratic society.

EDF 5612. Education and Culture (3). Applications of anthropology in the study of education. Focuses on transmission of culture; cultural factors that promote and inhibit in-school learning; bilingualism and language policy; factors affecting development and policy in education.

EDF 5625. Education and Economic Development (3). An introduction to the role of education in economic development. Topics examined include the relationship of formal and nonformal education to labor markets, employment, income, income distribution, and development in general.

EDF 5626r. Evaluation of Education Programs (3). This course examines how economic models can be used to improve resource decisions made by administrators and policy makers. It provides theory and applications of cost-effectiveness and cost-benefit analysis.


EDF 5631. Education and Equality (3). Prerequisites: EDF 5630. Examines empirical evidence and related theories which bear on the question of the role of education in contributing to social and economic equality.

EDF 5641. Introduction to Policy Studies in Education (3). Provides the conceptual framework and policy in the field of education with special focus on the use of social knowledge in policy formation. It highlights policy as a multidisciplinary field of study.

EDF 5651. Case Studies in Education Policy (3). Prerequisite: EDF 5652. This course examines the emergence of selected United States educational policies through case study analysis.

EDF 5652. Policy Development in Education (3). Course explores the United States policy-making process in all its stages including problem identification, agenda setting, policy formulation, policy adoption, implementation and evaluation. Emphasis is given to a broad range of K-12 and postsecondary education policies.

EDF 5661. The Language of Education Policy (3). Prerequisites: EDF 5652. The course explores the relationship between evaluation and policy and on the production, utilization, and analysis of policy documents from a sociological perspective. Emphasis will be given to the use of oral and written discourse in policy evaluation and analysis.

EDF 5706r. Gender and Education in Comparative Perspectives (3). Prerequisite: EDF 5543. Course explores the relevance of gender to various aspects of education, including formal, nonformal, and informal education. Research and issues from various countries will be discussed. Students will develop their ability to analyze gender in educational settings and to incorporate gender analysis into educational planning in a variety of contexts.

EDF 5710r. Contemporary Readings in American Education (3). Examines selected readings on current educational problems and issues. May be repeated once for a total of six (6) semester hours. Different texts are used in course each time it is offered and instructors vary.

EDF 5763. Internationally Consulted: Fieldwork Techniques (3). Study of the role of the consultant and ethical factors; field methods; use of time, reporting, personal organization, interviewing, group work, and record keeping.

EDF 5850. International Education Development (3). Overview of the roles of education in national development and in post-secondary social development. Emphasis given to less developed countries and “Third World” communities at home.

EDF 5853. Comparative Education Policy in Developing Countries (3). Course explores contemporary educational policies with an emphasis on education in developing countries. In accomplishing this objective the course has three primary goals: 1) study the discipline of comparative politics; 2) discuss the policy-making process in the institutions that make educational and governmental policies; and 3) compare current topics in educational policy analysis.

EDF 5890r. Sociology of Nontraditional Approaches to Education (3). Emphasis on nonformal education. Critically reviews theories and research on the role of educational innovation in the development process.

EDF 5905r. Comparative Studies in Education (2-5). Examines the history and source materials of comparative education and selected educational issues or problems as discussed in the current social science literature from a comparative perspective. May be repeated to a maximum of ten (10) semester hours.

EDF 5906. Education and Policy Development (3). Examines the political and sociological theories, concepts, and research which contribute to the understanding of the role of education in political development and policy making.

EDF 5907r. Dissertation (1-3). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

EDF 5911r. Supervised Research (1-4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

EDF 5935r. Special Topics in Foundations of Education (1-3). Will cover topics not covered in regular classes; e.g., advanced quantitative research, Black and Latino education, educational policy, religion and diversity in public education, school choice policy issues, and urban educational policy. Offered on a student demand basis. Topics deal with policy issues and research issues in historical or contemporary contexts. May be repeated to a maximum of nine (9) semester hours.

EDF 5941r. Supervised Teaching (1-4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

EDF 5974r. Thesis (3-6). (S/U grade only.) A minimum of six (6) semester hours is required. May be repeated to a maximum of six (6) semester hours.

EDF 6647. Qualitative Methods in Educational Research (3). Prerequisites: EDF 5612, 5630. Introduction to methods of qualitative data collection, qualitative, participatory observation, and ethnographic interviews. Attention to strengths and shortcomings for use in educational research and evaluation. Students are expected to carry out a small research project. 3 semester hours.

EDF 6669. Advanced Seminar: Selected Topics in Education and Economic Development (3). Prerequisite:

EDF 6653. Planning Education for Socioeconomic Change (3). Provides a comprehensive overview of the theory and practice of planning in the context of development. Uses the theories of planning and development to develop a generic framework for examining educational planning.

EDF 6694r. Internship in Educational Policy (1-9). (S/U grade only.) Prerequisite: EDF 5625. A supervised internship to provide students with experience in educational policy analysis and formation. May be repeated to a maximum of fifteen (15) semester hours.

EDF 6981r. Dissertation (1-12). (S/U grade only.)

EDF 8977r. Master’s Thesis Defense (0). (P/F grade only.)

EDF 8980r. Specialist in Education Thesis Defense (0). (P/F grade only.)

EDF 8987r. Dissertation Defense (0). (P/F grade only.)

History and Philosophy of Education

This program area emphasizes the examination of educational issues from the disciplinary perspectives of American pragmatism and educational progressivism. Master’s, specialist, and doctoral degrees are offered; students are expected to take courses in the cognate disciplines in the College of Arts and Sciences to complement the work done within the department. Students often see teaching and research in history or philosophy of education as a career enhancement, as preparation for writing policy positions in schools, governmental agencies, and other policy-oriented organizations. Students from other departments or programs are welcomed as “minors.” All are expected to acquire skills in research methods in history or philosophy and to participate in inquiry and debate on policy issues in American education.

International/Intercultural Development Education

International/intercultural development education is designed to prepare individuals to assume leadership roles in education who can: conduct action- or policy-oriented research or fieldwork in regard to the role of education in the development process, critically evaluate research and practice related to education and development, use research findings and field experiences to formulate relevant educational policy, and design educational programs that will contribute to national and international development. Graduates serve in universities, ministries of education, philanthropic foundations, and development agencies overseas or in the United States.

International graduates return to their countries to work in policy and research related activities in evaluation and planning departments, educational research and development institutes, or non-governmental organizations. They also use their project- and field-based programs as administrators, curriculum specialists, and program evaluators. American graduates who work in the United States become involved in educational and socially relevant research or development activities. American graduates with international experience usually work with international agencies, philanthropic organizations, universities, or with foreign governments in areas...
related to research and development. Our graduates are well suited for positions that involve a blend of practice and theory and require a combination of skills in an educational specialty and in one or more of the social sciences.

Social Sciences and Education

The social sciences and education program area emphasizes the study of educational policy issues from the perspective of the social sciences—specifically, sociology, economics, anthropology, and political science. Master’s students are expected to choose one of these related disciplines as a minor area en route to their degrees. Doctoral students are expected to specialize in one or two of the related social science areas, in addition to their major doctoral interest.

Graduates serve in universities, policy-making agencies, foundations, or as leaders in field-based educational projects. The explicit intent of the program is to prepare persons who are committed to addressing the enduring educational and social questions which are found where theory, research, and practice meet.

Certificate in Education Policy

This certificate program is designed for those interested in or already engaged in the design, development, implementation, and analysis of educational policy. The program welcomes and serves individuals with diverse interests including local, state, national, and international educational policy; elementary, secondary, higher, or out-of-school education and training; and a variety of work settings such as school districts, state agencies and policy boards, foundations, or international agencies. Eighteen (18) semester hours of courses are required, composed of a core area and three elective areas: social sciences and foundations of educational policy, approaches to policy studies, and areas of policy practice. The certificate is available to special (non-degree seeking) students or any graduate student in good standing from any department in the University.

Master’s Degree Programs

The department follows the University and College of Education policies governing master’s degree programs and also requires a comprehensive examination. One to two years of coursework are required for completing the master’s degree. The semester hour requirements are thirty-two (32) hours for course-type and thirty (30) hours for thesis-type.

Specialist Degree Programs

The department follows the University and College of Education policies governing specialist degree programs. A comprehensive examination is scheduled at the end of course work for the specialist degree.

Doctoral Degree Programs

The department follows the University and College of Education policies governing doctoral degree programs. Two and one-half years of course work are normally required toward a doctoral degree if the student already possesses a relevant master’s degree. Doctoral degrees require that each student complete a minimum of nine (9) research tool credits, pass a diagnostic examination and a preliminary examination, prepare and defend a dissertation prospectus, and conduct and defend a research dissertation in addition to the successful completion of course work.

EDUCATIONAL LEADERSHIP/ADMINISTRATION

The mission of the educational leadership/administration program at The Florida State University is to develop and enhance dynamic, high-performing leadership for the renewal and improvement of schools and school systems. Our program is designed to help those in leadership roles to provide effective leadership for teaching-learning. Program philosophy is informed by democratic values, including respect for individual rights and responsibilities, participatory and public decision-making, pluralism, accountability, and organizational integrity.

Our faculty seek to improve leadership for present and future schools. We value reflective, practice-oriented research and inquiry by faculty and students. We are pledged to promote the leadership qualities of honesty, dynamism, creativity, competence, challenge, and integrity for diversity. We value high-quality and action-oriented leadership and endorse a participatory and shared leadership style.

Program objectives for the degrees are drawn from the specified competencies from research and theory on educational leadership, and from the program of study required in the doctoral degree. The degree program includes a combination of skills in an educational specialty and in one or more of the social sciences.

Graduate Courses

CGS — Computer General Studies
EDA — Education: Administration
EDG — Education: General
EDM — Education: Middle School
EDS — Education Supervision
EMC — Education: Technology and Media
ESE — Education: Secondary

Graduate Programs

The mission of the educational leadership/administration program is designed to develop competent teachers, administrators, and other professionals in vocational education. This goal is accomplished through a program of coursework, seminars, research, and related experiences that prepare students to become leaders in vocational education, to become innovators in teaching and learning, and to become agents in the process of educational change. With specified coursework, graduates of this master’s degree program may be certified as directors of vocational education.

The master’s degree requires thirty-six (36) semester hours of coursework beyond the baccalaureate degree. The courses include those designated as the educational leadership core curriculum, research, and applied courses.

Definition of Prefixes

CGS — Computer General Studies
EDA — Education: Administration
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Academic Programs

The doctor of education (EdD) degree signifies professional competence and expertise in practice, requires a broad-based knowledge of theory and research that informs educational policy and practice, and emphasizes the ability to identify and propose useful solutions to complex leadership problems in education.

The doctor of philosophy (PhD) degree requires high research competence in the methods of inquiry, analysis, and exposition; emphasizes scholarly research that sheds light on a domain of interest for other scholars and practitioners; and signifies the attainment of broad conceptual and research skills applicable to the investigation of educational problems and the elaboration of testable hypotheses and theoretical constructs. Applied research requirements distinguish the EdD and PhD degrees in research emphasis.

All doctoral students must complete a minimum of eighteen (18) semester hours in applied research which typically includes a course in basic statistics, qualitative methods, inquiry resources, and design of research.

Master’s Degree in Educational Leadership/Administration with a Specialization in Vocational Education

The program in educational administration/leadership offers a specialty designed to develop competent teachers, administrators, and other professionals in vocational education. This goal is accomplished through a program of coursework, seminars, research, and related experiences that prepare students to become leaders in vocational education, to become innovators in teaching and learning, and to become agents in the process of educational change. With specified coursework, graduates of this master’s degree program may be certified as directors of vocational education.

The master’s degree requires thirty-six (36) semester hours of coursework beyond the baccalaureate degree. The courses include those designated as the educational leadership core curriculum, research, and applied courses.

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Graduate Courses

CGS 5310. Information Management Technology in Education (3). A course in information technology for the management of administrative and instructional programs in the educational system.
EDA 5051. Introduction to Leadership Development (3). Considers and applies leadership development models and the competencies required of educational leaders and relates those models to the field of practice.
EDA 5061. Educational Administration (3). Fundamentals of the administrative process; administrative organization; communication; decision making; leadership.
EDA 5109. Educational Management Development (3). Presents historical, theoretical, and contemporary aspects of educational management development (EMD) in Florida. Studies management competencies, acquisition, and their assessment; establishes individualized growth plans; and relates EMD to effective schools and school improvement; addresses implications for prospective administrators and supervisors.
EDG 5250. Basic Concepts in Curriculum Planning and Organization (3). Provides the student with an in-depth view of the processes and principles of curriculum planning, designing, organizing, and implementing a program of curriculum and instruction.

EDG 5251. Designing, Implementing and Evaluating Curriculum (3). Prerequisites: EDG 5250. This course provides the foundation for designing, implementing and evaluating curriculum, the importance of the planning phase. This course is designed for new and prospective administrators in the context of changing educational systems, strategies, and accountability. The course is designed to present the implications of curriculum issues on organizational leadership and management.

EDG 5945r. Advanced Associate Teaching (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

EDM 5045. Schools for Young Adolescents (3). The rationale, clientele, philosophy, and organization of special schools. Graduate groups, and the educational program for young adolescents: the emerging “middle school.”

EDM 5405. Issues, Trends, and Practices in Middle Level Education (3). Issues, trends, and practices in middle level education will be covered. This course examines the future of middle schools as a separate organizational unit, designed and organized in light of historical perspective. Grouping practices, developmentally appropriate curriculum and instruction, and leadership issues are explored.

EKS 5941r. Administration and Supervision of Clinical Education (1–3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours. May be taken with EDM 5942r.

EME 5941. Designs for In-Service Personnel Development (3). An introduction to the planning of personnel development programs for educational, noneducational, public, and private services.

EDU 5315. The American High School (3). Current status of youth education in the United States in historical-cultural perspective; developing a design for youth education; societal dimensions of the program.

ESE 5035. Trends and Innovations in High School Education (3). Critical analysis of fundamental changes needed in the program of education of youth.

COMPREHENSIVE VOCATIONAL EDUCATION

The Comprehensive Vocational Education Program is designed to develop competent teachers, administrators, researchers, and other professionals in vocational education. This course is designed to provide the students with knowledge, understanding, and skills in the context of the theory and practice of educational leadership and management in the context of the theory and practice of vocational management in the context of the theory and practice of vocational education. The course is designed to develop a comprehensive program of coursework, seminars, research, and related experiences designed to prepare students to become leaders in vocational education, to become innovators in teaching and research, and to become agents in the process of educational change.

The program is designed to address professional needs, to enhance the competency and technical skills of leaders in vocational education, and to enable the participants to relate experiences in the program to their own educational setting.

Program objectives for the degree are drawn from the specific leadership competencies identified by the Florida Council on Educational Management and those identified as being important for the development of vocational education programs. These competencies have been identified by research on the theory and practice of educational leadership and verified by collaboration between practitioners and faculty from the department, college, and University. The identified competencies are included in the course syllabi and are implicit in the requirements for the degree.

The department’s master of science degree in educational administration provides for a specialty in the administration of vocational education. This program requires a minimum of forty-three (43) semester hours beyond the BS degree. Degree programs included in comprehensive vocational education are the educational specialist (EdS), doctor of education (EdD), and doctor of philosophy (PhD).

The specialist degree is designed to build on the master’s degree with the purpose of enabling the degree recipient to improve by enhancing skills in curriculum planning, supervision, and administration of vocational education. Course work taken and successful completion of the specialist degree may reduce the number of courses required in the doctoral program for students who are subsequently admitted to doctoral study.

The doctoral degree in comprehensive vocational education includes selected vocational education courses that are augmented by appropriate educational leadership courses in planning the student’s program. The student in education, doctor of education, and doctor of philosophy degrees in vocational education focuses on planning, designing, and evaluating programs that improve vocational education in educational and industrial settings.

Admission Requirements

Specialist and Doctoral Degrees: 1) A master’s degree from an accredited institution; 2) good standing at the institution of higher education last attended; and 3) two of the following criteria: a) a score of at least 1000 on the GRE (applicants for admission to the PhD must score at least 1050, while applicants for the EdD program must score at least 850); b) a 3.5 GPA in the master’s program; or c) a 3.0 GPA in the last two years of undergraduate study.

Definition of Prefix

EVT Education: Vocational/Technical

Graduate Courses


EVT 5264. Organization, Administration, and Management of Vocational Education Programs (3). Concerned with the administration of vocational education programs, budget-finance, human resources, and accountability.

EVT 5265. Supervision and Development of Vocational Education Staff (3). Examination of the major responsibilities of the local vocational supervisor involving typical problems, interpreting, and resolving reinvestigations.

EVT 5267. Planning for Vocational Education (3). Introduction to the theory and practice of planning, studies, principles, practices, and issues related to planning education.

EVT 5664. Community Relations in Education (3). A course designed to develop knowledge, understanding, and skills in communications strategies for managing educational programs and marketing educational information.

EVT 5760. Designing Research in Educational Leadership (3). Basic concepts and techniques in research design, problem formulation, execution, and analysis, stressing application in educational leadership.

EVT 5915r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

EDV 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

EDV 5930. Seminar in Vocational Education (1–3). Consider a variety of special topics concerning issues in vocational education. May be repeated to a maximum of nine (9) semester hours.

EDV 5942r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) semester hours may apply to the master’s degree.

EDV 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.
HIGHER EDUCATION

The Florida State University program in higher education prepares individuals for positions of leadership in colleges and universities and related agencies whose activities impact higher education. Our overall goal is to draw on and apply knowledge from the broad areas of organizational theory, student development, public policy, and teaching and learning to improve practice in colleges and universities. Graduates master a common core of knowledge about higher education. They develop high level inquiry skills, and skills in management and leadership. They become familiar with standards of professional practice in the leadership and administration of colleges and universities and define a code of professional ethics and values. Program outcomes are achieved through a combination of course work, mentorships, independent study, and clinical experiences designed to enhance leadership and inquiry skills and to explore ethical issues in decision making. In addition to preparing our students, we are committed to serving the continuing professional development needs of educators in colleges and universities and leaders in the policy community whose efforts include the improvement of education at all levels.

Degree programs lead to master of arts (MA), master of science (MS), specialist in education (EdS), doctor of education (EdD), or doctor of philosophy (PhD) degrees. A detailed description of the admissions requirements appears in the program’s Curriculum Guide, which may be obtained by writing or calling the program coordinator. Students and candidates are encouraged to attend one of the two campus visitation days scheduled in December and March.

Students commonly elect one of two areas of concentrated study: student personnel administration, public policy or general administration. A common core of course work is required. Concentration is achieved through specialized electives, practica, and internships, and an outside minor field. The program is supported by the Hardee Center for Leadership and Ethics in Higher Education, which promotes and arranges assistantships, maintains a resource center, and sponsors colloquia on a wide range of topics of current interest to leaders in the higher education community.

The program in higher education benefits from the location of the University in the state capital. Students take advantage of opportunities to study state policy for higher education and to observe and work with some of the key boards and policy-making agencies that are directly involved in system-wide leadership of the State of Florida, Division of Colleges and Universities and the Division of Community Colleges. A number of students also have served in legislative internships and with the Postsecondary Education Planning Commission.

The criteria for admission to the doctoral programs are similar except for the GRE scores. First, an applicant must have a master’s degree from an accredited institution. Second, each applicant must meet two score criteria. A PhD applicant must meet the criteria: 1) 3.0 GPA on the last two years of undergraduate degree courses, 2) a 3.5 on a master’s or EdS degree program, or 3) a GRE score of 1000. An applicant for admission to the EdD program must present a minimum score of 850 on the combined verbal and quantitative sections of the exam. The PhD applicant must have a GRE score of 1050 and either a 3.0 on the last two years of the undergraduate program or a 3.5 GPA on a master’s or Eds degree program.

The EdD program requires a minimum of forty-nine (49) semester hours of course work beyond the master’s degree and twenty-four (24) semester hours of dissertation. The PhD program requires sixty-four (64) hours of course work. The courses to be completed for both degree programs include those from the higher education core and elective areas, research methods, and those from outside the department. Meeting minimum requirements for admission is not a guarantee of admission to the program. Faculty members making admission decisions consider a range of factors, including previous leadership experience in higher education.

College Teaching Certificate

This interdepartmental specialty is offered as an outside minor to students enrolled in any graduate degree program at the University. Special academic certification is available to those who successfully complete the course requirements. Individual courses are open to any student interested in exploring an aspect of college teaching.

Doctoral students who expect to teach in the lower division of a college or university will find this specialty of benefit. Emphasized here is the knowledge and practice of college teaching, curriculum analysis and development, and the means by which successful teaching takes place among post-high school and adult college students. For additional information, contact the coordinator of the higher education program.

Definition of Prefixes

ADE Adult Education
EDA Education: Administration
EDF Education: Foundations
EDH Education: Higher
SDS Student Development Services

Graduate Courses

ADE 5075C University Continuing Education (3). Emphasis is on the design and implementation of continuing education.
EDA 5227C The Role of the Woman Administrator in Education (3). Basic understandings of the role of the woman administrator in education. Emphasis will be placed upon her preparation and performance as reflected in the literature.
EDA 5506C Organization and Administration of Higher Education (3). Prerequisite: EDA 5051. Basic principles of organization and administration in junior colleges, community colleges, and universities.
EDA 5556C State Education Policy (3). Examines the development of education policy through the state legislature, state boards of education, and the state budgeting process. Emphasizes eclectic research methods in the conduct of limited scope educational policy studies at the state level.
EDF 5089. Black and Latino Education: History and Policy (3). This course will provide future teachers, educators, policymakers, and others with an understanding of the history and socio-economic context of the educational experience of African-Americans and Latinos. Although the two largest minority groups in the United States, African Americans and Latinos are under-represented among students pursuing advanced coursework in high school graduation rates, college continuation, and other indicators of academic achievement. This course will explore factors that have impeded academic achievement at the K-12 and university levels, in addition to examining strategies for success.

EDF 5941. Internship in Institutional Research (1–8). (S/U grade only.) Institutional research majors are assigned to offices or agencies engaged in institutional research. Practical applications related to classroom work.

EDH 5041. Intentional Interventions (3). This course is designed for students and practitioners available to support and assist higher education and student affairs practitioners in counseling and advising individuals and groups in contemporary colleges and universities.

EDH 5045. Student Development Theories for College Student Personnel Work (3). Young adult development tasks, college student and adult development theory, and application of theories by student affairs and higher education professionals.

EDH 5050. Seminar in Graduate Inquiry Resources (2). Analysis and evaluation of a research literature in education. Selection of a significant research topic and preparation of a literature review.

EDH 5051. Higher Education in America: Basic Understandings (3). The history, philosophy, policies, practices, and problems of America’s community colleges, senior colleges, and universities.

EDH 5054. The American Community College: History and Development (3). This course is designed to introduce students to the philosophy and historical evolution of the American Community College. The focus will be on the social, economic, political, and educational forces that influence the community college, as well as the programs, services, and current issues.

EDH 5065. Outlines of Undergraduate Education (3). Prerequisites: EDF 5400; EDH 5051. A philosophical study of contemporary problems in higher education.


EDH 5305. College Teaching: Instruction in Higher Education (3). Classroom and individualized instruction philosophy, techniques, evaluation, student motivation, and media utilization in the college curriculum.

EDH 5306. College Teaching: Teaching in the Subject Field (3). Prerequisite: EDH 5305. Application of a curriculum development to course design in the student’s subject area.

EDH 5405. Legal Aspects of Higher Education (3). Comprehensive analysis of legal concepts, procedures, and considerations relevant to higher education.

EDH 5406. Ethics and Inquiry (1). Examines the basic principles of ethics and their application to leadership issues in higher education.

EDH 5504. College and University Institutional Advancement (3). Prerequisites: EDF 5400; EDH 5051. Comprehensive institutional advancement including planning, institutional relations, educational fund-raising, alumni, government relations, foundations, and corporate relations.

EDH 5505. Finance in Higher Education (3). Fundamental considerations in the finance of institutions of higher education.

EDH 5530. Program Financial Management in Higher Education (3). This course analyzes the development and operation of programs and projects at the unit level in American higher education. Particular attention is given to the financial and planning aspects of program management.

EDH 5531. Academic Leadership and Middle Management in Higher Education (3). The dynamics and cultures of colleges and universities are analyzed through a detailed study of the policies, traditions, and politics of academic departments. In addition, the interdependence of tasks and responsibilities of provosts, deans, and department chairs will be studied to prepare future leaders in these areas.

EDH 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

EDH 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

EDH 5935r. Seminar: Literature, Research, and Professional Writing in Higher Education (3). (S/U grade only.) To assist graduate students in the preparation of a prospectus. May be repeated to a maximum of six (6) semester hours.

EDH 6980r. Dissertation (1–12). (S/U grade only.) Preliminary Doctoral Examination (0). (P/F grade only.)

EDH 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

EDH 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

EDH 8976r. Master’s Thesis Defense (0). (P/F grade only.)

EDH 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)

EDH 8985r. Dissertation Defense (0). (P/F grade only.)

EDS 5804. Practicum in Student Personnel Work (3). Provides opportunity for supervised practical experience in college student personnel work.

EDS 5805. Special Topics in Higher Education (1–3). Prerequisites: EDF 5051; EDH 5051. A philosophical study of contemporary problems in higher education.

EDH 5043r. Internship (1–8). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours. Doctoral candidates.

EDH 5043r. Supervised Teaching (1–4). (S/U grade only.) Designed to provide an opportunity for graduate students to engage in experimental teaching situations under the guidance of a faculty member. May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

EDH 5944. Internship (1–8). (S/U grade only.) May be repeated to a maximum of twenty-four (24) semester hours. Master’s candidates.

EDH 5946. Internship in College and Community College Teaching (3). Prerequisite: Approval of area in which major is in progress. Supervised teaching in lower-division college courses.

EDH 5971r. Master’s Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours is required.

EDH 5973r. Specialist in Education Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.

EDH 6935r. Seminar: Literature, Research, and Professional Writing in Higher Education (3). (S/U grade only.) To assist graduate students in the preparation of a prospectus. May be repeated to a maximum of six (6) semester hours.

EDH 6980r. Dissertation (1–12). (S/U grade only.) Preliminary Doctoral Examination (0). (P/F grade only.)

EDH 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

EDH 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)

EDH 8976r. Master’s Thesis Defense (0). (P/F grade only.)

EDH 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)

EDH 8985r. Dissertation Defense (0). (P/F grade only.)

SDS 5804. Practicum in Student Personnel Work (3). Provides opportunity for supervised practical experience in college student personnel work.

### Department of EDUCATIONAL PSYCHOLOGY AND LEARNING SYSTEMS

**College of Education**

**Chair:** Frances A. Prevatt; **Professors:** Becker, Driscoll, Eklund, Keller, Oosterhof, Peterson, Pfefller, Ranson, Reiser, Rollin, Sampson, Seel, Specter, Tenenbaum, Waiger; **Associate Professors:** Kelly, Losh, Prevatt, Tate; **Assistant Professors:** Baylor, Darabai, Dennen, Kamata, Roehrig, Turner; **Visiting Assistant Professors:** Eccles, Jeong, Li, Otina, Proctor; **Professors Emeriti:** Beard, Branson, Brewer, Burck, Ekstrom, Fiechter, Fletcher, Flavell, Johnson, Kaufman, King, Lathrop, Mancha, Morgan, Quinly, Pargman

The Department of Educational Psychology and Learning Systems is committed to improving human learning and performance in a variety of settings, including schools, universities, adult learning contexts such as government agencies, business, human services, and industry. Specifically, the department’s mission is to provide service to the college; prepare graduates for leadership roles in universities, school districts, state departments of education, educational research organizations, human service agencies, and private industry; and conduct research designed to expand the knowledge base of our field and improve the quality of education and training. The following degrees, majors, and certificate programs are offered by the Department of Educational Psychology and Learning Systems:

- Combined program in school counseling psychology and school psychology
- Counseling and human systems
  - Career counseling
  - Mental health counseling
  - School counseling
  - School psychology
- Educational psychology
  - Cognition and learning
  - Sports psychology
- Measurement and statistics
- Instructional systems
- Certificate in educational technology
- Certificate in Human Performance Technology
- Certificate in online instructional development

### Educational Psychology Program

The program offers master’s, specialist, and doctoral degrees in four major areas: learning and cognition, measurement and statistics, program evaluation, and sport psychology.

The major in learning and cognition is practitioner oriented at the master’s level and research oriented at the doctoral level with coursework in cognition, learning theory, and research methods. Graduates of this major are prepared to take positions in universities, educational agencies, and research organizations that focus on improving educational practice.

The measurement and statistics major is designed to prepare leaders in educational research to serve in the following types of professional positions: educational measurement and educational statistics specialist for a test publisher or governmental licensing, certification, or assessment unit; director of measurement activities for a school or school system; measurement and educational statistics expert for a regional education laboratory; or professor in measurement and statistics at a college or university.

The major in sport psychology provides the basis for understanding and influencing the behavior of people involved in sport, exercise, and other types of physical activity. Graduates with this major are prepared to take positions in research, college teaching, and other professional positions.

### Instructional Systems Program

The program offers the master’s, specialist, and doctoral degrees in instructional systems with a major in either instructional systems or open and distance learning. The master’s and specialist programs provide students the skills necessary to analyze learning and work-problem solving problems, and to design, develop, and...
PSYCHOLOGICAL SERVICES IN EDUCATION

Coordinator: Gary W. Peterson

The psychological services program offers work leading to the following degrees: doctor of philosophy (PhD) in the combined program in counseling psychology and school psychology, a combined specialist in education (EdS) and master of science (MS) in counseling and human systems.

Combined Program in Counseling Psychology and School Psychology (PhD)

The doctoral degree in the combined program in counseling psychology and school psychology prepares students for professional positions as university faculty, counseling psychologists in university counseling centers, school psychologists in educational settings, mental health care providers in community, medical, and business settings, administrators in public and private agencies, and consultants, and planners of human service programs.

Students in the Combined Doctoral Program in Counseling Psychology and School Psychology are expected to acquire basic competency in counseling psychology and school psychology, as well as advanced competency in counseling psychology or school psychology, leading to appropriate national certification and state licensure. Within this combined program all students share a common core of experience in research and practice in counseling psychology and school psychology, while expressing a professional focus by selecting a concentration in counseling psychology or school psychology.

Students also have the option of dual concentration at the advanced competency level in both counseling psychology and school psychology by completing additional courses, practica, and internship hours. All majors within the program are offered under the degree title of Doctor of Philosophy (PhD) in Counseling Psychology and Human Systems. The Combined Doctoral Program at The Florida State University is accredited by the American Psychological Association as a Combined Professional Program in Counseling Psychology and School Psychology.

Counseling and Human Systems (MS/Eds)

The combined specialist/master’s degree in counseling and human systems is designed to prepare individuals for professional positions at various levels in government and secondary schools, junior colleges, institutions of higher education, or in a wide variety of mental health agencies (e.g., substance abuse, career counseling, adult and child counseling). The combined specialist/master’s degree includes a minimum of seventy-two (72) semester hours. A supervised internship in an applied setting is also required. Students majoring in counseling and human systems at the EdS/MS level select a specialization in career counseling, mental health counseling, and/or school counseling. Each of these specializations are accredited by the Council for Accreditation of Counseling and Related Educational Programs and students are eligible to take the National Counselor Examination during the spring semester of their last year of study.

School Psychology Major in Counseling and Human Systems

School psychology is offered as a separate major within counseling and human systems. It prepares personnel to practice as school psychologists within educational as well as nontraditional settings. This major leads to either certification by the state Department of Education or Florida licensure as a school psychologist.

Human Services Center

The Human Services Center, located in the College of Education, serves as a site where graduate students in all degree offerings receive intensive training in skill development. Through the center, students provide educational, personal, and vocational counseling. School psychologist services are offered to members of the community in the Adult Learning and Evaluation Center, which is housed in the Human Services Center. Here students receive direct faculty supervision as part of their clinical training.

The Adult Learning Evaluation Center is a not-for-profit assessment center that provides low cost psycho-educational evaluations for college students and other adults who may be experiencing scholastic difficulties due to a possible Learning Disability or Attention Deficit Hyperactivity Disorder. The clinic staff consists of the program director, graduate students, a clinical doctor, and graduate students in the specialties of school and counseling psychology. In addition to evaluation services, the center provides educational workshops and individual client coaching and maintains an ongoing research and training function.

The Center for the Study of Technology in Counseling and Career Development (Tech Center) assists practitioners, researchers, software developers, and policy makers in improving the design and use of computer applications in counseling and career development. The Center also assists practitioners, researchers, and policy makers in improving the cost-effectiveness of career services. Our website is http://www.career.fsu.edu/techcenter/ expands this mission to include serving individuals and students interested in career development and computer technology.

Admission Requirements

All applicants must at least meet the minimum State Board of Education requirements for undergraduate grade point average and/or Graduate Record Examinations scores. Each degree offering may set different standards for admission based on programmatic objectives and the applicant pool. A formal application for graduate study must include the following:

1) official graduate application to The Florida State University (send to office of graduate studies), 2) three letters of reference, 3) an autobiographical statement, 4) a current resume, and 5) a statement of how the degree sought can meet personal/professional goals. All items except the official graduate application should be sent directly to the program admissions committee. For information concerning particular
School Psychology
Student Development Services
(S/U grade only.) A minimum of twelve (12) semester hours. May be repeated to a maximum of nine (9) semester hours. May be repeated in the same semester.

School Psychology
Graduate Courses

Psychological Services in Education

MHS 5005. Foundations of Counseling and Rehabilitation (3). Identification of the foundations underlying counseling and rehabilitation, including background philosophy, structure, and legislation.

MHS 5007. Foundations of Mental Health Counseling (3). This course provides a history and overview of the counseling profession, including ethical and legal issues, controversies in the field, and the impact of contemporary problems on mental health.

MHS 5010. Foundations of School Counseling (3). This course is an introduction to the field of school counseling with an emphasis on historical foundations, role and function, legal and ethical issues, and standards of practice. It provides a theoretical and practical orientation to applied counseling practice in the schools.

MHS 5060. Psychosocial and Multicultural Aspects of Counseling (3). Examines the relationship among psychological, social, environmental, disability, and multicultural factors as they pertain to understanding human behavior.


MHS 5340. Foundations of Career Development (4). Examines the career development of individuals and the process of career counseling and guidance.

MHS 5400. Introduction to Counseling Theories and Techniques (4). Examines traditional theories of personality and counseling, as well as how to translate theory into effective practice. Develops basic counseling skills such as an awareness of self and a capacity to use one’s self in the counseling process.

MHS 5419. Systems Approach to Counseling (3). Conceptualizes counseling problems in systems terms; focus is on counselor as client and as part of systems; systems-level counseling interventions.

MHS 5511. Group Counseling: Theory and Practice (3). Introductory group leader training course; theoretical and experiential components.

MHS 5710. Research in Human Services (3). Prerequisite: Introductory statistics. Development of skills in analyzing and critiquing research studies, and applying research knowledge to counseling practice.

MHS 5800r. Practicum: Counseling Concepts and Case Management (4). Corequisite: MHS 5400. Develops basic counseling skills in beginning counselor trainees, with an emphasis on self-awareness. Students receive training in the human services center, through an appropriate combination of direct client counseling, role play, instruction, and observation. May be repeated for a maximum of six (6) semester hours. May be repeated in the same semester.

MHS 5801r. Practicum in Counseling and Rehabilita-

Department of
ELECTRICAL
AND COMPUTER ENGINEERING

FAMU—FSU COLLEGE
OF ENGINEERING

Interim Chair: Leonard J. Tung ; Professors: R. Arora, Perry, Thagard, Zheng; Associate Professors: K. Arora, Baldwin, Chang, Foo, Gross, Kwan, Roberts, Tung; Assistant Professors: Andrei, Frank, Harvey, A. Meyer-Baese, U. Meyer-Baese, Weatherpoon; Visiting Professor: Lee; Visiting Associate Professor: D. Lee; Visiting Assistant Professor: Walker; Assistants in Electrical Engineering: Brooks, Imen

Electrical engineering is concerned with the development and utilization of electrical and electronic technology for the benefit of society. It involves the development and implementation of devices, circuits, and systems that are used in electrical power generation and distribution, machine control, communications, computers, and computer-based information processing. It is a very broad field that affects all facets of modern society. Practically in this area of information processing, communications, and automation.

The Department of Electrical and Computer Engineering offers programs leading to the master of science (MS) degree in electrical engineering, and the doctor of philosophy (PhD) degree in electrical engineering. The graduate program is designed to provide advanced course work and experience in independent problem solving with
a moderate degree of both breadth and specialization. The master’s thesis and its defense provide for independent in-depth study of a current electrical engineering topic to demonstrate how professionals make major contributions to the electrical engineering field.

The PhD program is intended to provide students with an independent mastery of a significant portion of the field of electrical engineering. The PhD program prepares students for a career in industry, research, and/or teaching. Successful candidates must demonstrate, through original research, a substantial contribution to their field of specialty.

Areas of specialization in these programs generally coincide with the research interests of the faculty as indicated in the “Graduate Faculty” chapter of this Graduate Bulletin. Current specialization areas supported include computer engineering, VLSI, computer security, electromagnetics, communications, digital signal processing and controls, power systems, robotics, and microelectronic engineering.

Facilities and Opportunities

The department maintains well-equipped research laboratories in its areas of interest. Included are a computer security research laboratory, robotics and computer vision laboratory, electromagnetics research laboratory, applied laser laboratory, high-performance computing and simulation research laboratory, opto-electronics and optical systems laboratory, power sciences laboratory, information processing and transmission engineering research laboratory, wireless intercommunications laboratory, and sensor system research laboratory.

The department is an active contributor to the Florida Engineering Education Delivery System (FEEDS), which provides graduate education throughout the state of Florida using tutored videotape. A two-way television link between the College of Engineering and The Florida State University Panama City campus provides live, interactive instruction for students in the Panama City area and allows students in Tallahassee to benefit from faculty teaching on the Panama City campus.

Financial assistance often can be provided for graduate students through teaching or research assistantships and tuition fee waivers. Teaching assistantships involve assisting in the supervision of laboratory courses grading and related duties. Students awarded research assistantships participate in departmental or externally sponsored research projects under the guidance of a faculty member. Selection is competitive and is based upon potential for teaching (including language skills), GRE test scores, grade point average (GPA), and recommendations. Application for departmental financial assistance should be made directly to the graduate coordinator in the Department of Electrical and Computer Engineering.

Master of Science

The department offers both thesis and non-thesis options for the master of science (MS) degree. The program includes common core courses, major depth concentration, and breadth in electrical engineering. A minimum of thirty (30) semester hours of course work and thesis are required for the thesis option, and thirty-three (33) semester hours of course work and master’s comprehensive exam are required for the non-thesis option.

Admission

To be considered for admission, candidates must have earned a bachelor of science degree (or equivalent) in electrical engineering, or a closely related discipline, from an Accreditation Board of Engineering and Technology (ABET) approved program, a grade point average (GPA) of at least 3.0 on a 4.0 scale for all work attempted beyond sixty (60) semester hours of undergraduate study, and a combined score on the verbal and quantitative portions of the GRE of at least 1000. International candidates must have earned a bachelor of science degree (or equivalent) in electrical engineering from a recognized non-U.S. academic institution, a grade point average (GPA) of at least 3.0 on a 4.0 scale for all work beyond the equivalent of sixty (60) semester hours of undergraduate study (as evaluated by the admissions office) and a combined score of at least 1000 on the verbal and quantitative portions of the GRE, and a minimum score of 550 on the Test of English as a Foreign Language (TOEFL) if English is not their native language.

Students with a bachelor’s degree in a field other than electrical engineering may be required to complete a department-designated sequence of undergraduate courses with grades of “B” or better prior to attempting graduate electrical engineering work.

Thesis and Course Work Requirements (Thesis Option)

All master of science (MS) thesis program students must complete a written thesis. Upon completion of the thesis, an oral defense is required, which consists of a public presentation of the student’s work to the department and the student’s supervisory committee. Students must register for EEL 8976, Master’s Thesis Defense, before the defense presentation.

Students pursuing the thesis track must complete a minimum of thirty (30) semester hours of course work to satisfy the master of science (MS) degree in electrical engineering requirements. Twelve (12) semester hours are required from courses other than the student’s depth area, twelve (12) semester hours in supplemental electives and a minimum of six (6) semester hours are required for the thesis (EEL 6971r). A minimum of three (3) semester hours of supplemental electives should be a course in advanced mathematics, typically a 5000-level course. Students choosing the non-thesis option must register for and successfully pass the required Master’s Comprehensive Exam, EEL 8966. Students may attempt one exam per each calendar year. A maximum of three (3) attempts will be permitted.

Transfer Credits

A maximum of six (6) semester hours of letter-graded graduate coursework may be transferred from another academic institution(s), with the approval of the ECE Graduate Committee. A grade of “B” or better is required in all transferred coursework.

Graduate Seminar Requirement

All full-time master of science (MS) degree candidates are required to enroll in the graduate seminar, EEL 6932r, for each semester that they are enrolled in the graduate program. The details of the seminar are given below under “Graduate Seminars.”

Doctor of Philosophy

Admission to the Program

A bachelor’s or master’s degree in electrical engineering or a closely related discipline from an ABET-accredited institution is required for admission to the PhD program. International students may have a master’s degree from a recognized international institution. A GPA of 3.3/4.0 on all baccalaureate coursework and any graduate work attempted, and a GRE score of...
1100 are also required. These are minimums, and are normally surpassed by successful applicants. International students in addition must have demonstrated a minimum achievement of 550 on the TOEFL. Each successful applicant will be expected to have a faculty sponsor who will help the student to establish a plan of study.

Students with a bachelor’s degree in a field other than electrical engineering may be required to complete a department-designated sequence of undergraduate courses with grades of “B” or better prior to attempting graduate electrical engineering work.

Diagnostic Examination

The student who has been admitted to work toward the doctoral degree may, before the end of the second semester of postbaccalaureate study, be required to take a departmentally administered diagnostic examination. It will be designed to appraise the student’s ability to pursue the doctor of philosophy degree in the field and to facilitate counseling in the development of the student’s program of studies.

Admission to Candidacy

The PhD program is logically divided into two parts: namely, requirements for a student to be formally admitted to candidacy for the degree, and requirements to satisfactorily complete the degree program.

In order to formally become a candidate and pursue research for the PhD degree, students must have demonstrated that they have a sufficient academic foundation in electrical engineering, an understanding of the research process, and that they are knowledgeable enough about their chosen field of research to proceed with a reasonable assurance of success. If the student is successful in demonstrating these attributes, then the student may be admitted to candidacy for the PhD degree, and may begin formal research leading to the dissertation. The elements of this process are the following:

Doctoral Preliminary Examination

This examination is intended to determine the student’s academic preparation for the PhD degree. It consists of a written examination covering the field of electrical engineering, including the areas of communications, digital systems, electromagnetics, electronics, power systems, signals and control. The exam should normally be taken during the second semester after admission to study for the PhD. The student must apply to take the examination in the Department of Electrical and Computer Engineering office by the end of the prior semester. One repeat attempt will be permitted. The examination must be passed within twenty-four months after beginning study for the PhD. Upon satisfactory completion of the doctoral preliminary examination, and upon the recommendation of the supervisory committee, the student will be formally admitted to candidacy for the doctoral degree. Registration for dissertation research then is permitted.

Dissertation Proposal

After successfully completing the doctoral preliminary examination, completing the requirement for supervised research (if not waived) and after completing substantially all required courses, the student will prepare and present to the supervisory committee the proposed dissertation topic.

Doctoral Proposal Examination

This is an oral examination given to the student at the time of the presentation of the prospectus or proposed dissertation research area and topic. This examination will establish whether or not the student has sufficient expertise in the selected dissertation area to proceed with the planned research. One repeat attempt will be permitted.

Dissertation

The dissertation must be an achievement in original research constituting a significant contribution to knowledge, and must represent a substantial scholarly effort by the student. Upon completion of the dissertation, an oral defense is required, which consists of a public presentation of the work to the department and the supervisory committee. Students must register for EEL 8985r, Dissertation Defense, before the defense presentation. If the defense is satisfactory, the committee may then recommend award of the degree. Publication of the complete dissertation is required. This may be done in scholarly journals, or via University Microfilms.

Coursework Requirements

A doctoral degree candidate in electrical engineering must complete a total of seventy-two (72) semester hours of coursework beyond those applied to the satisfaction of a bachelor’s degree:

1. Completion of a minimum of thirty-six (36) semester hours beyond those applied to the satisfaction of other degrees. A minimum of thirty (30) semester hours must be completed on a letter grade basis, up to six (6) semester hours can be completed on a S/U basis, for a total of thirty-six (36) semester hours (minimum).

2. Completion of three (3) semester hours of work in EEL 5910r, Supervised Research, to demonstrate the ability to perform independent research prior to registering for dissertation research credit. This requirement may be waived at the recommendation of the major professor, if the student has completed a master’s degree with a thesis option, and the major professor agrees that this satisfies the objective; and

3. Completion of thirty-three (33) semester hours (minimum) of dissertation research, EEL 6980r.

Supervisory Committee

The supervisory committee for a doctoral candidate consists of a minimum of three (3) members of graduate faculty who have obtained doctoral directive status, one of whom is a representative-at-large of the graduate faculty drawn from outside the ECE department. Additional members may be appointed if deemed desirable. All members of the committee must hold at least the master’s directive status. The major advisor or the co-advisor must be from the ECE department. At least half of the committee members must be graduate faculty members from the ECE department.

Dissertation Defense Announcement

It is the student’s responsibility to post the dissertation defense announcement within the department and the College of Engineering at least one week prior to the defense. The announcement should include: dissertation title; student’s name; student’s department; major professor and committee members; date, time, and location of student’s defense.

Transfer Credits

A maximum of thirty (30) semester hours of letter-graded graduate coursework may be transferred from another academic institution(s), with the approval of the ECE Graduate Committee. A grade of “B” or better is required in all transferred coursework.

Graduate Seminar Requirement

All full-time PhD candidates are required to enroll in the graduate seminar, EEL 6932r, for each semester that they are enrolled in the graduate program. The details of the seminar are given below under “Graduate Courses.”

Journal Paper Submission Requirement

All PhD students are required to publish, or submit and have under review at least one refereed journal article to a journal in their field of interest before their graduation will be approved. Note: the graduate program in electrical engineering continues to evolve. Candidates are urged to contact the department to obtain the latest information regarding requirements and courses.

Definition of Prefix

EEL Engineering: Electrical

Graduate Courses

EEL 5025. Computational Electrical Engineering (3).
Prerequisites: EEL 3310, 3315, 3320, 3372, 3373. The course covers a broad range of computational methods and their applications to electrical engineering. Methods include solution of equations, matrices, differentiation, integration, solution of differential equations, Fourier analysis, and boundary value problems. Applications include circuit analysis, signal processing, electromagnetics and optics.
EEL 5173. Signal and System Analysis (3).
Prerequisites: EEL 3135 or 4652. Continuous and discrete dynamic systems and applications are introduced. System modeling continues to evolve. Candidates are urged to contact the department to obtain the latest information regarding requirements and courses.
EEL 5247. Power Conversion and Control (3).
This course introduces solid-state power conversion and control circuits, including analysis and design of nonlinear multiphase circuits, bridge circuits, full-bridge and half-bridge converters, circuit topology, and circuits for variable-frequency inverters; sensing and processing circuits supporting control systems; and embedded microprocessor control systems.
EEL 5250. Power Systems Analysis (3).
This course examines power system planning and operational problems. Subjects covered include load flow, economic dispatch, fault studies, transient stability, and control of power systems. System modeling and computer solutions are emphasized through class projects.
EEL 5270. Power System Transients (3).
Prerequisite: EEL 5173. Topics include transient stability, frequency domain and time domain methods; stability analysis of power systems.
EEL 5315. Digital Integrated Circuit Design (3).
Prerequisite: EEL 4301. Design of digital integrated circuits, applications, solid state device switching characteristics, memory, computer aided design, and layout.
Prerequisites: EEL 3315, 3380. The purpose of this course is to develop a basic understanding of using switched electronic circuits for the conversion and regulation of electric power. The course focuses on the basic converters and their steady state analysis. Dynamic modeling analysis is also covered. Topics include digital control, power semiconduc-
tor device, and converter simulation also are covered.

EEL 3333. Solid State Sensors (3). Prerequisite: EEL 3315. Topics in basic characterization of fundamental aspects of solid state and opto-electronic devices and transducers. Stress the importance of nonlinearities and noise in these devices. An emphasis on computer modeling and design.

EEL 3578. Mixed Signal ICs (3). Prerequisite: EEL 3515. This course introduces mixed signal processing using analog and digital ICs. Topics include transistors, digital and anal-
omechanical (mixed-signal) ICs. Basic analog design and design techniques for analog and mixed-signal systems. Coverage of noise, linearity, and nonlinearity effects in analog/mixed signal systems.

EEL 5416. Sonar (3). Prerequisites: EEL 3473, 3512. This course introduces basic concepts of sonar systems including acoustic propagation, transducers and projectors, target strength, reverberation, beamforming, beamforming, and synthetic aperture sonar.

EEL 5443. Electromagnetics and Optics (3). Prerequisite: EEL 3473. This course covers a number of topics, including basic electromagnetic wave theory - Maxwell's equa-
tions, plane waves, energy and power flow; geometrical optics; applications to optical systems, optical fibers, and resonators; wave propagation in layered media; applications to lasers and integrated optics; quantum theory of light; black-body radiation; introduction to quantum electronics; and other selected research topics.

EEL 5454. Optical Sensors (3). Prerequisite: EEL 3512, 3473 or equivalent. This course examines basic concepts of optical sensors and their applications; distributed sensing systems; and optical fibers in signal processing.

EEL 5465. Antenna Theory (3). Prerequisite: EEL 3473 or 3461. Electromagnetic fields; radiation from simple sources and antennas; array antennas; arrays uniformly and non-uniformly spaced, nonuniform, pattern synthesis; cylindrical antennas and arrays; radiation from conical and spheroidal structures; slot antennas and open waveguides of small height.

EEL 5486. Advanced Electromagnetic Theory (3). Prerequisite: EEL 3473. Advanced concepts and theories in electromagnetics, including Maxwell's equations and the analysis of electromagnetic fields and wave propagation.

EEL 5500. Digital Communication Theory (3). Prerequisite: EEL 4514. Principles of modern digital communication systems including pulse-code modulation, error-control coding, equalization, and channel capacity, probability, and information theory.

EEL 5542. Random Processes (3). Prerequisite: EEL 3135, 4021. Random processes; analysis and processing of random stationary engineering signals by random processes; selected applications in detection, filtering, reliability analysis, and system performance modeling.

EEL 5578. Communication Systems (3). This course introduces basic concepts of random systems including radar range equation, radar cross section calculations, random processes and noise, array antennas, detector and equalizer performance, related properties of FM and CW systems, pulse compression, synthetic aperture radar, and clutter also are covered.

EEL 5579. Optical Communications (3). Review of the characteristics of basic optical components for communications systems, e.g., optical fibers, light sources, optical detector and fiber connectors; signal degradation in optical fibers; optical analog and digital communication systems; coherent optical fiber communications.

EEL 5590. Advanced Topics in Communication (3). Prerequisites: See department. 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 (SNR) for amplitude and angle modulation; design of systems to improve SNR ratio; satellite communications; and spread spectrum communications.

EEL 5591. Wireless Communications (3). Prerequisites: EEL 3135, 4021, 4514, "C" programming or equivalent. This course will introduce the field of wireless communications. The core topics include radio-wave propagation characteristics of wireless channels; modulation and demodu-
ation techniques for digital communications; basics of spread spectrum techniques for wireless systems; fundamentals of cellular communications; multiple access techniques; wireless networking; and hybrid networking of wired and wireless architectures.

EEL 5617. Multivariable Control (3). Prerequisite: EEL 4652. Course covers H_2 and H_\infty control design for Lin-
ear and stable systems. Course covers design and analysis techniques for multivariable control systems and includes the use of digital computers in the design process. Examples include advanced control theory topics such as loop shaping, multivariable robust control, and robust mixed-signal systems.

EEL 5676. Robust Kinematics and Dynamics (3). Prerequisite: EEL 4652. Introduction to robust kinematics and dynamics, including forward kinematics, inverse kinemat-
ics, and differential kinematics. Also covers rigid motion and homogenous transformations, velocity and force/torque relations and resolved motion rate control, serial, parallel and kinematically redundant manipulators.

EEL 5707. ASIC Systems Design I (3). Prerequisite: EEL 3705. Introduction to Application Specific Integrated Circuit (ASIC) families. Overview of programmable ASICs. Introduction to the VHDL design entry and simulation lan-
guage. Programmable ASIC design methodology will be introduced.

EEL 5764. System Architecture (3). Prerequisites: EEL 3737, 4021. This course is designed to provide a comprehensive study of computer organization, Von Neumann computer architecture, and the principles of RISC computer architecture and its future out-
look.

EEL 5784. Computer Network Design and Analysis (3). Prerequisite: Graduate standing or permission of instructor. This is a new course in the fundamentals of computer network design and analysis. The course presents network architecture using a layered approach. Analysis and examples of network protocols and standards, and techniques for evaluating network performance and selecting appropriate network protocols are covered.

EEL 5812. Advanced Neural Networks (3). Prerequisite: EEL 4810. This course is designed to provide students with an in-depth knowledge of advanced topics in neural networks. Content includes introduction to transformation-based neural networks, information theoretic models, and foundations of neurodynamics.

EEL 5905c. Directed Individual Study (1–3). Prerequi-
test: Graduate standing. May be repeated to a maximum of six (6) semester hours.

EEL 5910c. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of ten (10) times. Presentations by faculty, students and visiting scholars. All full-time graduate students must enroll each semester.

EEL 6310. Master's Thesis Defense (0). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

EEL 6925. Directed Individual Study (1–3). Prerequi-
test: Graduate standing. May be repeated to a maximum of six (6) semester hours.

EEL 6920c. Master's Thesis (1–6). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

EEL 6930c. Preliminary Doctoral Examination (0). (P/F grade only.) May be repeated one (1) time. May be repeated to a maximum of two (2) times.

EEL 6939. Dissertation (0). (P/F grade only.) May be repeated to a maximum of forty-eight (48) semester hours.

EEL 8964. Preliminary Doctoral Examination (0). (P/F grade only.) May be repeated one (1) time. May be repeated to a maximum of two (2) times.

EEL 8976. Master's Thesis Defense (0). (P/F grade only.) May be repeated to a maximum of three (3) times.

EEL 8985c. Dissertation Defense (0). (P/F grade only.) May be repeated to a maximum of three (3) times.
Professor, are accomplished teachers and scholars. Over twenty faculty have won University-wide teaching awards and three are named University Distinguished Teaching Professors. In addition to their own research and writing, faculty are guest editors for acclaimed textbooks in both fiction and poetry. Faculty research regularly appears in books published by distinguished university presses as well as the foremost journals in the profession, such as *Publications of the Modern Language Association (PMLA)*, *English Studies in Canada (ESIC)*, *American Literature*, the *Journal of Advanced Composition (JAC)*, and the *Journal of English and Germanic Philology (JEGP)*.

Most students in the MA and PhD programs emphasize literature, creative writing, or rhetoric, but the department offers course work and degree options in a number of related fields such as popular culture, folklore, critical theory, and film studies. Faculty and graduate students participate in a variety of interdisciplinary programs such as American studies and humanities, and the department is the administrative home of a certificate program in publishing and editing and an interdisciplinary certificate program in critical theory (see the “Critical Theory” entry in this *Graduate Bulletin* for a full description of this program). In the MA program, students elect literature, writing, or rhetoric concentrations; all writing students produce a thesis, but literature students may elect a thesis track or an examination track. All PhD and undergraduate students satisfy core requirements in literature, research methods, language study, and literary theory; students then take comprehensive examinations and present dissertations based on a set of major and minor areas described below. A special feature of The Florida State University program is that students may present a body of creative work for the dissertation.

The teaching apprenticeship program is a strong feature of the department’s graduate program. Each year the department appoints a number of graduate teaching assistants who normally conduct two sections of freshman English each semester, in addition to enrolling in at least eight (8) semester hours of course work. These teaching assistants work under the direct supervision of their graduate school faculty supervisors. New assistants without previous teaching experience participate in a teacher-training program during the summer term preceding their appointment, for which they receive a modest stipend, this program is taught by faculty specialists in rhetoric and composition, and it trains teachers not only for classroom instruction but also for tutorial instruction in the department’s *Reading/Writing Center*. Two computerized classrooms allow graduate students to teach computer-assisted writing.

Various activities and facilities are available to all graduate students. Two literary magazines, *The Kudzu Review* and *Sundog: The Southeast Review*, are published in the department, and several scholarly journals are edited by faculty, including *Frank Norris Studies* and *The Journal of Beckett Studies*. Many students gain journalistic experience by writing for the independent campus newspaper. The writing program sponsors readings each week in the community and an annual Spring Writer’s Festival, and the department also sponsors the World’s Best Short Short Story contest, which attracts thousands of entries from around the world. Each fall, the English Colloquium features lectures by Florida State University and guest experts in literature and scholarship, and a number of graduate students present their first scholarly paper at the annual Florida State University Film and Literature conference, which brings scholars throughout the nation to the campus each spring.

The department annually recognizes outstanding achievement in both teaching and scholarship with the following awards and honors: the Bert and Ruth Davis Award for Outstanding Graduate Career; the George Harper Award for Outstanding Graduate Essay Writing; the Robert O. Lowth Award for Excellence in Teaching; the Fred L. Standley Award for Excellence in Teaching; the Marian C. Bashinski Award for Excellence in Teaching; the Bert and Ruth Davis Award for Outstanding Dissertation in English Literature, Criticism, or Rhetoric; the J. Russell Weaver Award for Outstanding Dissertation in American Literature or Folklore; the Ann Durham Award for Outstanding Creative Writing by an MA Student; the Academy of American Poets Graduate Award; and a departmental Award for Outstanding Graduate Creative Writing.

**Application Deadlines**

Students will normally be admitted to begin course work in the Fall term. To be considered for Fall admission, completed applications must be on file in the Department of English by February 1st.

**College Requirements**

Please review all college-wide degree requirements in the “College of Arts and Sciences” chapter of this *Graduate Bulletin*.

**Master’s Program in English**

Admission to the program is determined by a departmental committee and normally requires: 1) an undergraduate major in English, or its equivalent, ordinarily with an average of at least 3.0; 2) a combined score of 1000 on the verbal and quantitative portions of the Graduate Record Examinations (GRE) with at least 500 on the verbal section (applicants in literature should also submit a score for the Graduate Record Subject Test in English literature); 3) three letters of reference assessing the applicant’s potential to do master’s level work in English; and 4) a writing sample. These are minimum criteria, and meeting them does not guarantee admission.

A candidate for the master’s degree in English elect may elect to emphasize literature, writing, or rhetoric. To ensure that students have ready assistance in shaping a program designed to meet their needs and in planning a course of study which will meet the requirements of their particular emphasis, all students are expected to consult their advisers every term. The Director of Graduate Studies will serve as adviser to all first-term master’s candidates or until another adviser is chosen.

To complete the master of arts in English, students must satisfy the following requirements:

1. Earn thirty-three (33) credit hours with an overall GPA of 3.0 or better in approved courses, as described below, for each emphasis;
2. Satisfy a foreign language reading requirement by any one of several means approved by the department; and
3. Satisfactorily complete a final requirement as follows:
   a. Students emphasizing literature must either perform satisfactorily on the master’s comprehensive examination or satisfactorily complete and defend a thesis;
   b. Students emphasizing writing or rhetoric must satisfactorily complete and defend a thesis.

At least twenty-seven (27) semester hours must be taken on a letter-grade basis. With the permission of the director of graduate studies, up to six (6) elective hours may be taken in directed individual study (ENG 5906r). Of the courses with LAE prefixes (professional courses in college-level teaching), only LAE 5370 may be used to fulfill course requirements at the master’s level; students in the rhetoric track only can also count LAE 5946 toward the degree.

A student entering the program from another master’s program may be permitted to transfer up to six (6) semester hours of credit. When a student’s background is deficient, the department may require additional work beyond the minimum requirement for the master’s degree.

**Master’s Program in English with an Emphasis in Literature**

Master’s students who choose to emphasize literature will complete thirty-three (33) semester hours of course work, to include the following:

1. Two courses in the literature of Great Britain and Ireland before 1800;
2. One course in the literature of Great Britain and Ireland after 1800;
3. One course in United States literature;
4. One literature course whose chief organizing principle is race, class, gender, sexual orientation, or ethnicity; and
5. ENG 5933 (Issues in Literary and Cultural Studies);
6. Fifteen (15) additional hours of course work, six (6) of which may, with the permission of the Director of Graduate Studies in English, be outside the department. Students electing to write a thesis count six (6) hours of thesis work toward the degree.

As a final requirement, students emphasizing literature must either complete and defend a thesis or perform adequately on the master’s comprehensive examination. All students electing to write a thesis must submit a prospectus to their major professors and supervisory committees for approval and file the approved prospectus with the Director of Graduate Studies in English before proceeding with the thesis. Students electing the master’s comprehensive examination will normally take the examination during the semester in which they are completing their course work. The master’s comprehensive examination is a four-hour exam made up of three parts: part I: brief essay questions based on a reading list compiled by the student and his/her exam committee; parts II and III: essay questions not restricted to the reading list. Students who fail the examination may repeat it during a subsequent semester. If they fail it a second time, the Director of Graduate Studies may require permission to take another examination. For further details about the thesis prospectus, completion and defense of the thesis,
or the master’s comprehensive examination, see the Director of Graduate Studies in English.

Master’s Program in English With an Emphasis in Writing

Students who qualify and who wish to obtain the master of arts in English with an emphasis in writing must have, by the end of the second semester in the program, a faculty adviser who is a member of the department and who will, with the student, plan an overall program. In addition, the student must complete the following:

1. Fifteen to eighteen (15–18) semester hours of work in writing.
   a. Nine to twelve (9–12) semester hours of a combination of at least two of the following courses:
      - CRW 5130r Fiction Workshop (3)
      - CRW 5331r Poetry Workshop (3)
      - CRW 5430r Drama Workshop (3)
      - ENC 5317r Article and Essay Workshop (3)

   The four workshops in writing (CRW 5130r, 5331r, 5430r; ENC 5317r) may be repeated for credit with the permission of the instructor. The student will enroll in courses for writing credit during at least three different semesters, unless exempted with special approval.
   b. Six (6) semester hours will be devoted to writing a thesis.

2. Fifteen to eighteen (15–18) semester hours in literature and related courses.
   As a final requirement, students emphasizing writing will complete and defend a thesis in fiction, poetry, drama, or the essay. Before proceeding with the thesis, the student must submit a prospectus and a writing sample (in the same genre as the intended thesis) to a supervisory committee consisting of a major professor and at least two other English faculty members, all of whom must be members of the graduate faculty. The student should have this committee formally constituted not later than the end of the third semester in the program. The prospectus of the thesis must be submitted at least a full semester before the student’s projected graduation date, and the student should consult departmental guidelines on prospectus writing in advance of submission. The thesis itself will be a single piece of writing or a collection of writings of a length deemed adequate by the committee. The thesis may originate in any of the student’s writing courses but in its entirety it shall not have satisfied a course requirement.

Master’s Program in English with an Emphasis in Rhetoric

Master’s students who choose to emphasize rhetoric will complete thirty-three (33) semester hours of course work, to include:
1. At least twelve (12) hours of course work in rhetoric, from the following: ENC 5700, 5720; ENG 5028; LAE 5370, 5946; and ENG 5933 or ENG 6939 when the topic is rhetoric;
2. Six (6) hours of thesis credit; and
3. Fifteen (15) additional hours of course work.

Doctoral Program in English

Admission to the program is determined by a departmental committee and normally requires:
1. A master’s degree in English, or its equivalent, from an accredited college or university, with a GPA of at least 3.5; 2) a combined score of at least 1000 on the verbal and quantitative portions of the GRE, with at least 500 on the verbal section (applicants in literature should also submit a score for the Graduate Record Subject Test in English literature); 3) three or more letters of reference assessing the applicant’s potential to do doctoral work in English; and 4) a writing sample. These are minimum criteria, and meeting them does not guarantee admission.

In order to obtain the doctoral degree, students must successfully complete all course work (at least twenty-seven [27] semester hours, excluding dissertation credit, beyond the MA degree) with an overall GPA of 3.5 or better; complete the foreign language requirement; pass the preliminary examination formally admitting them to candidacy for the doctorate; submit and obtain approval for a prospectus; and write and successfully defend a doctoral dissertation (at least twenty-four [24] semester hours). All PhD students must take a minimum of twenty-seven (27) hours of course work beyond the MA, any or all of the specific course requirements listed below (except the six [6] hour seminar requirement) may be waived, based on an evaluation of MA course work.

Each student must form a supervisory committee consisting of a major professor, two other members from the English department, and a representative from a related area. The major professor, the college representative, and one other committee member must have doctoral directive status; all must be members of the graduate faculty.

Each student seeking a doctorate in English must complete the language requirement before taking the preliminary examination. The language requirement may be met by means of either: 1) a reading knowledge of two languages other than English approved by the students supervisory committee and demonstrated by any of the following: a written exam (one hour maximum) or a 12-hour written exam approved by the department, or 2) a high-level command of a single foreign language approved by the student’s supervisory committee and demonstrated by achieving a satisfactory grade in a graduate-level literature course in the foreign language or in some other manner approved by the Director of Graduate Studies.

The following are specific course requirements for the doctor of philosophy degree:
1. ENG 5933 (Issues in Literary and Cultural Studies) or an equivalent approved by the Director of Graduate Studies;
2. One course in language and linguistics, from the following: ENG 5068r, ENL 5206r, ENL 5216r, ENG 6939 (when the topic is language and linguistics);
3. One course in literary theory, from the following: ENG 5028, ENG 5049r, ENG 6939/HUM 6939 (when the topic is theory);
4. One literature course in each of four areas:
   a. The literature of Great Britain and Ireland before 1800;
   b. The literature of Great Britain and Ireland after 1800;
   c. United States literature; and
   d. A literature course whose chief organizing principle is race, class, gender, sexual orientation, or ethnicity;
   5. Two seminars, taken at The Florida State University at the PhD level (students planning a creative dissertation must take at least one writing seminar, while rhetoric specialists may substitute a rhetoric course for one seminar); and
   6. Twenty-four (24) hours of dissertation credit (ENG 6980r). PhD candidates who are not teaching assistants or do not have college teaching experience must take either LAE 5370 or ENC 5700. No more than two (2) hours of LAE 5948 may be counted toward the degree.

In order to be admitted to formal candidacy for the doctorate degree, the student must pass a preliminary examination at least six months prior to the granting of the degree. The preliminary examination consists of: 1) a 12-hour written exam (eight hours on the major area) normally given over three days, and 2) a one- to two-hour oral examination administered by the students supervisory committee, normally one to three weeks following the written examination.

Acceptable major areas for the preliminary examination are: 1) the literature of Great Britain and Ireland to 1500; 2) the literature of Great Britain and Ireland, 1500–1660; 3) the literature of Great Britain and Ireland, 1660–1800; 4) the literature of Great Britain and Ireland, 1800–1900; 5) the literature of Great Britain and Ireland after 1900; 6) United States literature to 1875; 7) United States literature after 1875; 8) a literary genre; 9) Postcolonial Studies; 10) Gender Studies and Queer Theory; 11) rhetoric and composition; 12) African-American literature; 13) Women’s literature/gender studies; 14) literary theory and criticism; and 15) another definable field of study approved by the graduate committee.

Acceptable minor areas are all of those listed as major areas, plus: 16) folklore; 17) post-colonial literature; 18) humanities; 19) language and linguistics; 20) literature in relation to a nonliterary discipline; 21) literature and film studies; 22) cultural studies in relation to the major field; and 23) another definable field of study approved by the graduate committee. Major and minor areas will be chosen in consultation with the major professor; subject matter of the exam will be determined in consultation with the entire committee.

After passing the preliminary examination, the candidate is required to submit to the supervisory committee a prospectus for the dissertation. A copy of the prospectus, signed by the committee members, should be placed in the student’s file in the Department of English at least one semester before the dissertation defense. The prospectus is approved, the candidate writes the dissertation, working in close consultation with the major professor. The dissertation may be either: 1) an extended essay; 2) three or more essays, normally related by subject; or 3) an extended original work in fiction, poetry, or drama. The defense of the dissertation is held on the basis of a complete draft rather than the
Various approaches to the study of Old English with an understanding of its phonology, morphology, and syntax. May be repeated to a maximum of twelve (12) semester hours.

AML 5296r. Studies in Multi-Ethnic Literature (3).

Intensive study of a particular ethnicity, period, or topic in ethnic literature of the U.S. May be repeated to a maximum of twelve (12) semester hours as topics vary.

AML 5387r. Studies in African-American Literary Tradition (3).

Various approaches to the study of the African-American literary tradition. May be repeated to a maximum of twelve (12) semester hours.

AML 5287r. Studies in the African-American Literary Tradition (3).

Various approaches to the study of literary works of Black American writers. May be repeated to a maximum of twelve (12) semester hours provided each course carries a different subtitle.

Graduate Courses

AML 5017r. Studies in U.S. Literature to 1875 (3).

Various approaches to the study of U.S. literature from the colonial period to 1875. May be repeated to a maximum of twelve (12) semester hours.

AML 5027r. Studies in U.S. Literature Since 1875 (3).

Various approaches to the study of U.S. literature from 1875 to the present. May be repeated to a maximum of twelve (12) semester hours.

AML 5267r. Studies in Literature of the American South (3).

Various approaches to the study of American southern literature from the colonial period to the present. May be repeated to a maximum of twelve (12) semester hours.

AML 5278r. Studies in the African-American Literary Tradition (3).

Various approaches to the study of literary works of Black American writers. May be repeated to a maximum of twelve (12) semester hours provided each course carries a different subtitle.

Certificate in Publishing and Editing

The English department offers a certificate program in publishing and editing for graduate students interested in developing credentials and career experience in these fields. To qualify for the certificate, students must complete:

1.) At least three (3) semester hours from the following:

ENC 5216. Introduction to Editing and Publishing (3)

ENG 5933. Topics in English (Topics in Theories of Publishing) (1-3)

ENG 6939. Seminar in English (Seminar in Publishing) (3)

HUM 6939. Seminar Topics in Seminar in Publishing (3)

2.) At least nine (9) semester hours from among the following:

ENC 5216. Topics in Editing (Introduction to Editing and Publishing) (3)

ENC 5217. Topics in Editing (3-6)

ENG 5945. Internship in Editing (1-6)

ENG 5906. Directed Individual Study (Editing Practicum) (1-3)

ENG 5998. Tutorial in Editing (Editing Practicum) (1-3)

For further details, contact the Director of Graduate Studies in English.

Certificate Program in Critical Theory

An interdisciplinary graduate program in critical theory is administered by the English department. For complete description, refer to the “Interdepartmental Certificate Program in Critical Theory” entry of this Graduate Bulletin.

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

English

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ACADEMIC PROGRAMS
More than sixty (60) hours are normally required, exclusive of the dissertation. Students may select a program of study with either a thesis or course option. A minimum of thirty (30) semester hours is required for a degree with a thesis. The PhD program is an individual program planned by students, their major professor, and supervisory committee. Below is a listing of the required course work with the balance of the planned program based on the student’s background and professional goals. At least sixty (60) semester hours of graduate work in addition to the dissertation is required beyond the master’s degree.

**PhD Degree in Human Sciences with a Major in Child Development or Family Relationships**

**Required Courses for all Majors**

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<th>Code</th>
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<tr>
<td>CHD</td>
<td>Theories of Child Development</td>
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<td>EDF</td>
<td>General Linear Models</td>
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<td>STA</td>
<td>Applied Regression Methods</td>
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<td>FAD</td>
<td>Supervised Research (1–3)</td>
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<td>Seminar in Family and Child Sciences: Topics Vary (3–9)</td>
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</table>

**Master’s Programs in the Department of Family and Child Sciences**

**Major in Child Development or Family Relationships**

**Required Courses**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHD</td>
<td>Advanced Child Development</td>
<td>(3)</td>
</tr>
<tr>
<td>CHD</td>
<td>Methods of Research</td>
<td>(3)</td>
</tr>
<tr>
<td>CHD</td>
<td>Theories of Child Development</td>
<td>(3)</td>
</tr>
<tr>
<td>EDF</td>
<td>Basic Descriptive and Inferential Statistics Applications (4)</td>
<td>(4)</td>
</tr>
<tr>
<td>FAD</td>
<td>Families in Crisis</td>
<td>(3)</td>
</tr>
</tbody>
</table>

**Department of FAMILY AND CHILD SCIENCES**

**College of Human Sciences**

*Chair: Kay Pasley; Professors: Darling, Krantz, R. Mullis, Ralston; Associate Professors: Cornille, Greenwood, A. Mullis, Readick, Rehm; Assistant Professors: Allison, Bojczyk, Curenton; Associate in Family and Child Science: Mills; Professors Emeriti: Dales, Hansen-Gandy, Hendrickson, Hicks, Pestle, Rapp, Ridley-Bell, Zongker."

Master’s degrees are offered in the Department of family and child sciences with an emphasis in child development, family relationships, and family and consumer sciences education. Students may select a program of studies with either a thesis or course option. A minimum of thirty (30) semester hours is required for each program in the thesis option including six (6) semester hours of thesis credit. Students may elect to take the course option and complete thirty-three (33) semester hours including a three (3) credit special project. In either the thesis or course option master’s programs, three courses, or nine (9) semester hours, may be taken on the course option master’s programs. A minimum of thirty-three (33) semester hours is required for a degree with a thesis. The PhD program is an individual program planned by students, their major professor, and supervisory committee. Below is a listing of the required course work with the balance of the planned program based on the student’s background and professional goals. At least sixty (60) semester hours of graduate work in addition to the dissertation is required beyond the master’s degree.

**Admission Requirements**

In addition to the minimum admission requirements identified by the College of Human Sciences and the University, the department requires that students submit the following: 1) official copies of transcripts with degrees posted from colleges/universities previously attended; 2) official Graduate Record Examinations (GRE) score; 3) three letters of recommendation; and 4) a statement of professional goals. In some instances, supplemental course work (undergraduate and graduate) may be required for students entering the program from other fields of study. Options available to the student can be discussed prior to admission to the program. Students entering the Interdivisional Program in Marriage and Family Therapy also will need an affirmative recommendation by the faculty review committee.
Master’s Degree Program
A program of studies for each student is individually planned under the direction of a major professor and a supervisory committee. The thesis-type degree requires at least thirty (30) semester hours and the course-work type requires at least thirty-two (32) semester hours.

The following courses are required of all students pursuing a master’s degree in family and child sciences education:

- HEE 5900, 5901, 5910, 5935r or 5971r, 8966, CHD 5915.
- Students must also enroll in at least one of the following: HEE 5160, 5900, 6180, 6936r, or EDF 5400. Students who enroll in HEE 5971r must also enroll in HEE 8976.

Doctoral Degree Program
A program of studies for each student is individually planned under the direction of a major professor and program of studies committee. Programs are based on the expressed career goals of the student and the results of the written and oral diagnostic examination. Students are required to complete a minimum of fifteen (15) semester hours in family and consumer sciences education and twelve (12) semester hours in a subject matter area in addition to the following required courses: HEE 6916, 6917, 6938r, EDF 5400, 5401, 5410.

The student must be continuously enrolled for a minimum of twenty-four (24) graduate semester hours credit in any period of 12 consecutive months while pursuing the doctoral degree.

Interdivisional Program in Marriage and Family Therapy
The Interdivisional Program in Marriage and Family Therapy offers major sequence courses related to marriage and family therapy that lead toward the doctor of philosophy degree. Unique to this program is its integration in the Family and Child Sciences department and curriculum. Students must meet departmental admission requirements, as well as the recommendation of a faculty review committee.

Definition of Prefixes
- CHD — Child Development
- FAD — Family Development
- HEE — Home Economics Education
- HOE — Home Economics: General

Advanced Undergraduate Course
- HEE 4171. Teaching Independent Living Skills (3). Selected subject matter and teaching methods applicable to improving independent living for handicapped and/or disadvantaged persons throughout the life span. Clinical experience.

Graduate Courses
Child Development
- CHD 5626. Advanced Child Development (3). Survey of the contemporary child development research literature.
- CHD 5617. Professional Development in Family and Child Sciences (1). Prerequisite: Graduate standing. This course is designed to introduce graduate students in Family and Child Sciences to professional development topics in the field of family and child sciences.

Family and Consumer Sciences Education
Programs of study in family and consumer sciences education are individually planned to prepare graduates for leadership roles in secondary schools, higher education, government agencies, and business. A portion of the courses taken in pursuit of the master’s degree can be used to meet requirements for teacher certification in vocational home economics.

Research is an important component of graduate study in family and consumer sciences education. At the master’s level students are required to satisfactorily complete a research problem or thesis, and completion of a dissertation is a degree requirement for the PhD. Department faculty members are actively involved in acquiring and carrying out funded research projects. This outside funding makes it possible for the department to provide research assistantships to qualified students.

The college maintains a resource center for use by faculty and students. It houses a variety of curriculum materials as well as textbooks and audiovisuals. In addition, books and documents useful in carrying out historical research are available.

Requirements
Eligibility for graduate study in family and consumer sciences education is based on an adequate background in education or a related area. The department’s graduate faculty must be satisfied that students’ backgrounds are sufficient to enable them to successfully complete the program.

Minimum admission requirements include a baccalaureate degree from an accredited institution with an academic average of 3.0 or higher (4.0 scale) on all work attempted as an upper-division undergraduate student, or a 3.0 on a master’s degree from an accredited/approved institution, or a minimum score of 1000 on the combined verbal and quantitative portions of the Graduate Record Examinations (GRE). In lieu of a GRE score, vocational home economics teachers can present a minimum score of 2250 on the College Level Examination Program (CLEP) with no less than 400 in each of the five areas. International students must also have a minimum score of 550 on the Test of English as a Foreign Language (TOEFL).
FAD 6450. Human Sexuality (3). Prerequisite: At least one graduate-level research course, permission of the instructor. The effective functioning of our economic and financial system is a concern to all members of society. Emphasis on case study examples of specific evaluations and practice exercises from the fields of family therapy and family services. Some examples of specific evaluations related to methodologies that will be discussed in the course. The faculty members consider their research to be obsolete. The finance faculty members are in charge of presenting educational, current knowledge may become obsolete. The development of skills to utilize research in the fields of family therapy and family services. It draws on examples of specific research techniques and methodologies are employed, in both the faculty and family therapy track; and permission of instructor. May be repeated to a maximum of twenty-one (21) semester hours.

Family and Consumer Sciences Education

HEE 5160. Methods and Media in Home Economics Education (3). Selection and preparation of appropriate methods and media for achieving objectives in home economics programs. May be repeated to a maximum of twenty-one (21) semester hours.

Department of FINANCE

COLLEGE OF BUSINESS

Chair: Donald A. Nast; Professors: Ang, Cecel, Clark, Coats, Humphrey, Osteryoung, Peterson; Readers: Brown, Chris-tiansen, Nast; Assistant Professors: Cheng, Doran, Haslem, Nelson; Service Professor: Brown; Assistant in Finances: Smith; Visiting Assistant Professor: Inci; Fannie Wilson Smith Eminent Scholar in Banking: Humphrey; Bank of America Eminent Scholar in Finance: Ang; Wachovia Professor of Finance: Peterson; Jim Moran Professor of Entrepreneurship: Osteryoung; Robert C. Earnest Professor of Finance: Coats

The Department of Finance faculty has diverse interests spanning all areas of finance including financial management, investments, financial institutions and markets, multinational financial management, financial modeling, and quantitative methods. The faculty possesses a commitment to excellence in teaching, research, and service activities.

The fundamental responsibilities of the finance faculty are to preserve existing knowledge, to create new knowledge, and to transmit knowledge to others. To transmit knowledge to the graduate student a variety of teaching techniques and methodologies are employed, including case studies, lectures, simulations, computer modeling, oral and written presentations, discussions groups, study groups, coresearch projects, and independent study and research.

The faculty members consider their research activity important for two reasons. First, the constant search for, and testing of, new knowledge is a basic foundation of economic progress. Second, as the financial and economic environment changes, current knowledge may become obsolete. The finance faculty members are involved in the development of new financial and management techniques so that their students are prepared to meet the challenges they will face during their careers. The faculty’s research appears in many scholarly publications.

The finance faculty is dedicated to the advancement of the finance profession not only through its teaching and research activities but also through its involvement with outside government, business, academic, and professional organizations.

Master’s Degree

The college offers the master in business administration (MBA) degree. As the ever-changing economic, political, and social trends place expanding needs and expectations on businesses, government agencies, and not-for-profit organizations, the demand for a wider range of financial and management skills has never been greater. The effective functioning of our economic and financial system is a concern to all members of our society. The MBA focuses on assembling,
acquiring, and developing knowledge and skills that are related to the effective workings of our economic and financial system.

**Doctoral Degree**

A doctor of philosophy (PhD) in business administration is offered by the college. The Department of Finance offers a concentration in finance. The finance doctoral program facilitates the development of a solid foundation in the use of analytical and research tools applicable to finance problems and a thorough understanding of modern finance theory and applications.

The primary objective of the curriculum is to develop the knowledge and skills necessary for prospective teachers and researchers in finance. The employment goal of most finance doctoral students is to teach and conduct research at the college or university level. However, many employment opportunities for PhD graduates exist in government and businesses.

The prospective finance doctoral student must meet the same admission standards and be recommended by the finance faculty. Students plan their program in consultation with the finance doctoral adviser and an advisory committee. The student must complete the courses in the finance primary area, a support area, and the analytical and research tools area. The support area can be chosen from another area of business or from a nonbusiness discipline such as economics, mathematics, or statistics. Extensive student-faculty interaction is stressed throughout the program and culminates in the completion and defense of a dissertation under the guidance of the finance faculty.

**Definition of Prefixes**

EC — Economic Problems and Policy  
FIN — Finance  
GEB — General Business  
MAN — Management

**Graduate Courses**

**Master’s**

**Note:** the 5000 level courses are reserved exclusively for graduate students. Courses which may be repeated for credit are designated by “r” immediately following the course number.

**ECP 5706. Economic Analysis for Management (3).** An examination of managerial concepts underlying business activity as related to the production of management and the process of decision making.  
**FIN 5514. Administration of Financial Institutions (3).** Prerequisite: MAN 5716. Analysis of institutions constituting the money markets within the framework of their respective operation and administration.  
**FIN 5445. Problems in Financial Management (3).** An advanced case course including in-depth study of selected topics such as valuation theory and the investment, financing, and dividend decisions of the firm.  
**FIN 5605. Multinational Financial Management (3).** Environment of international markets and institutions, with emphasis on implications of international business on capital budgeting, working capital management, and capital procurement.  
**FIN 5906c. Directed Individual Study (1–3).** Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of nine (9) semester hours.  
**FIN 5907c. Special Studies in Management (1–3).** Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of (5) semester hours.  
**FIN 5917c. Supervised Research (1–3).** Prerequisite: Consent of associate dean for academic programs. For master’s candidates only. A maximum of three (3) hours may apply towards the master’s degree. May be repeated to a maximum of five (5) semester hours.  
**FIN 5935c. Seminar on Current Topics in Finance (3).** In-depth study of current topics in finance. May be repeated to a maximum of three (3) times as topics vary.  
**FIN 5946c. Supervised Teaching (1–3).** (SU grade only.) Prerequisite: Consent of associate dean for academic programs. A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.  
**FIN 5971c. Thesis (3–6).** (SU grade only.) A minimum of six (6) semester hours is required.  
**FIN 8966c. Master’s Comprehensive Examination (0).** (P/F grade only.)  
**FIN 8976. Master’s Thesis Defense (0).** (P/F grade only.)

**FIN 5446c.** Multinational Financial Management (3). Comprehensive review of multinational market systems and major marketing management decision areas. With an emphasis on factors influencing managerial decisions. The financial management segment provides an introduction to the terminology, methodology and basic decision models of finance, with an emphasis on working capital management, capital budgeting, capital structure, and dividend decision.  
**MN 5716c. Business Conditions Analysis (3).** Problems of managing the firm in relation to the changing economic environment. Analysis of major business fluctuations and development of forecasting techniques.

**Doctoral**

**Note:** the doctoral curriculum includes courses selected from the following in addition to those offered at the 5000 level. In exceptional cases, master’s candidates may elect 6000 level courses with permission of the instructor and the associate dean for academic programs.

**FIN 6449. Seminar in Finance (1–3).** Focuses on the corporate finance literature with topics including the theory of financial management, working capital management, capital budgeting and rationing, and financing decisions of the firm.  
**FIN 6527. Seminar in Finance (1–3).** The study of the development of investment theory including utility analysis, risk measurement, structure and efficiency of the security markets, and other current topics in investments.  
**FIN 6709. Seminar in Finance (1–3).** The advanced study of financial institutions and markets, monetary theory and policy, economic forecasting, and domestic and international capital markets.  
**FIN 6808. Foundations of Financial Theory (3).** Emphasis on the foundations of financial theories with a thorough examination of the major theoretical developments of finance including the study of related empirical tests.  
**FIN 6842. Research Methods in Finance (3).** Prerequisite: FIN 6808. Critical examination of empirical research in finance and its related issues including design, methodology, analysis, and critique. Utilization of financial databases with appropriate quantitative techniques in the design and conducting of an empirical research project.  
**FIN 6917c. Supervised Research (1–3).** (SU grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.  
**FIN 6946c. Supervised Teaching (1–3).** (SU grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.  
**FIN 6980r. Dissertation (1–12).** (SU grade only.) A minimum of twenty-four (24) semester hours is required.  
**FIN 8966r. Doctoral Preliminary Examination.** (P/F grade only.)  
**FIN 8985r. Dissertation Defense Examination (0).** (P/F grade only.)  
**GEB 6944c. Readings for Examination (1–12).** (SU grade only.) Prerequisite: All course work required for PhD. This course is designed for PhD students who have completed all of their required course work and are preparing to sit for their preliminary examinations in the current semester. May be repeated to a maximum of twenty-four (24) semester hours.

**FINANCIAL MATHEMATICS**

see Mathematics

**FOOD SCIENCE**

see Nutrition, Food and Exercise Sciences

**FOOD SERVICE SYSTEMS**

see General Bulletin - Hospitality; Nutrition, Food and Exercise Sciences

**FOREIGN/BIBLICAL LANGUAGES, LITERATURE IN TRANSLATION**

see Modern Languages and Linguistics

**FOREIGN LANGUAGE EDUCATION**

see Middle and Secondary Education; Modern Languages and Linguistics

**FRENCH LANGUAGE, LITERATURE IN TRANSLATION**

see Modern Languages and Linguistics

**GENETICS**

see Biological Science

**Department of GEOGRAPHY**

**COLLEGE OF SOCIAL SCIENCES**

**Chair:** Barney Warf; **Professors:** Elsner, Ko-  
dras, O’Sullivan, Warf; **Associate Professors:**  
Baker, Leib, **Assistant Professors:** Jacobson,  
Klooster, Savitsky, Stallins, Steinberg; **Affiliate  
and Adjunct Faculty:** Frader, Miller

The Department of Geography at The Florida  
State University offers graduate degree programs  
at the master’s and doctoral levels designed to  
equip students with the technical skills and intel- 
lectual creativity required in a changing labor  
market, a proverbial balance between geographic  
information systems and “the geographical imagi- 
nation.” Faculty and students working in the  
geography department investigate critical issues  
of human society and the physical environment,  
including the linkages between global and local  
processes, the logic of geographical inquiry, a  
host of international, geopolitical, local political- 
ical conflict, environmental equity, the politics  
of representation, urban change, and resource
management. Faculty address both the theoretical and applied policy arenas in their research, teaching, and service functions.

The department’s foundation in geo-spatial sciences is built upon expertise in geographic information systems (GIS), remote sensing, and spatial analysis. Faculty active in this area specialize in theoretical developments in GIScience, quantitative methods and spatial modeling, as well as their applications to human and environmental issues, such as changes in urban morphology and transport infrastructure. The College of Social Sciences hosts a GIS laboratory with microcomputers running GIS, remote sensing, and statistical software.

Graduate students design programs of study focusing on important social issues, environmental problems, or the interface between the two. Due to the close interaction between students and faculty in this specialized department, it is important that prospective students identify potential areas of concentration and the faculty members with whom they intend to study. While in residence, funded students gain credentials in teaching and research assisting faculty in the classroom and on study projects. By the time they graduate, PhD students will have experience as instructors holding full responsibility teaching undergraduate courses and many will have presented results of their research at professional conferences or in academic journals.

Requirements

Applicants must hold a degree in geography or a related field from an accredited college or university, a baccalaureate degree in the case of students entering the master’s program or the master’s degree in the case of applicants to the doctoral program. Individuals holding degrees in fields other than geography are welcome to apply but may need to make up deficiencies, as judged by the graduate director and major professor. Minimum requirements for admission are a 3.0 GPA or a combined verbal/quantitative GRE score of 1000. Students whose native language is not English must complete the Test of English as a Foreign Language (TOEFL) with a minimum score of 550.

Applicants should notify the Graduate Admissions Coordinator of their interest in entering the graduate program. Students should send a letter describing whether they are applying for the master’s or doctoral program, their qualifications and long term goals, as well as their specific interests and how they coordinate with the department’s areas of expertise. If you wish to be considered for financial assistance, enclose the appropriate application. In addition, students should arrange for three letters of recommendation to be forwarded directly to the department.

Master’s Program

All students admitted to the graduate program in geography are required to attend an annual orientation session the week prior to Fall term. Each student must select a potential major professor in accordance with the student’s interests. Students should consult with the Graduate Advisor. The student and major professor then meet to design an appropriate program of courses. The department convenes at regular intervals throughout the academic year as faculty, graduate students, and visiting scholars present their research in a colloquium series.

Non-Thesis Option

The non-thesis option master’s program is designed as a flexible course of study allowing the student, in consultation with the major professor, to develop a specialized program tailored to the student’s interests and career goals. Students entering this program generally seek the master’s as a terminal degree. The department offers both the master of science (MS) and master of arts (MA) degrees.

The coursework for the non-thesis option consists of a minimum of thirty-three (33) semester hours. Students are required to take three core courses (nine [9] semester hours total) designed to provide a solid foundation for investigating geographic issues relating to social and environmental problems. Students who have taken similar courses at the bachelor’s level may petition for exemption. Students must earn a grade of “B” or better in each of the core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>GEO 5058</td>
<td>Survey of Geographic Thought (3)</td>
</tr>
<tr>
<td>GEO 5118C</td>
<td>Introduction to Geographic Research (3)</td>
</tr>
<tr>
<td>GEO 5165C</td>
<td>Quantitative Geography (3)</td>
</tr>
</tbody>
</table>

In addition, each student selects at least eight elective courses (twenty-four [24] semester hours total) in consultation with the major professor.

Thesis Option

The thesis option master’s program is designed to provide for and certify a student’s mastery of the discipline. This requires both breadth of geographic knowledge, acquired through a range of course work, and depth of experience, achieved through original research culminating in a thesis. Master’s students planning to pursue a doctoral degree should take the thesis option. The department offers both the master’s of science (MS) and master’s of arts (MA) degrees.

The coursework consists of a minimum of twenty-four (24) semester hours (plus a minimum of six thesis hours). Students are required to take three core courses (nine [9] semester hours) designed to provide a solid foundation for investigating geographic issues relating to social and environmental problems. Students who have taken similar courses at the bachelor’s level may petition for exemption. Students must earn a grade of “B” or better in each of the core courses:

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<tr>
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<td>Quantitative Geography (3)</td>
</tr>
</tbody>
</table>

In addition, each student selects at least five elective courses (fifteen [15] semester hours) in consultation with the graduate advisor or major professor.

With the advice of a supervisory committee, the student prepares a written thesis prospectus that identifies a substantive geographic topic and demonstrates familiarity with the literature and methods appropriate to its solution. The prospectus is developed in consultation with the major professor. When the major professor deems it ready, the student must orally defend the prospectus. Full-time students should plan to defend the prospectus by the end of the first academic year. Once the prospectus has been accepted, the student begins the research and writing process, working with the major professor on initial drafts and drawing the supervisory committee into the process over time. The final step involves an oral defense of the thesis after the complete working draft has been accepted by the major professor. The defense is open to departmental faculty and graduate students.

Applied GIS Option

The applied MS program in Geographical Information Sciences (GIS) is aimed at individuals who wish to cultivate a deep understanding of geospatial technologies in mapping and data analysis rather than a broad-based understanding of geography as a discipline. This is a non-thesis program that does not require the usual courses in Geographic Thought or Research Methods. Students must earn thirty-two (32) semester hours, including six (6) semester hours in a capstone project. This fast-track option allows students to complete their degree in 12 months if they wish.

Required Courses. Students are required to take three core courses (fourteen [14] semester hours) designed to provide a solid foundation for investigating geographic issues relating to social and environmental problems. Students must earn a grade of “B” or better in each of the core courses:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 5157</td>
<td>Advanced Geographic Information Systems (3)</td>
</tr>
<tr>
<td>GEO 5159</td>
<td>Geographical Information Systems (3) and accompanying laboratory (1)</td>
</tr>
<tr>
<td>GEO 5165</td>
<td>Quantitative Geography (3)</td>
</tr>
<tr>
<td>GEO 5934</td>
<td>Seminar in Current Topics: Remote Sensing (3) and accompanying laboratory (1)</td>
</tr>
</tbody>
</table>

Elective Courses. In addition to the required courses, each student selects at least four elective courses (twelve [12] semester hours) in consultation with the Applied GIS Program Coordinator:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>GIS 5XXX</td>
<td>Visual Basic Programming (3)</td>
</tr>
<tr>
<td>GEO 5105</td>
<td>Geographic Visualization Methods (3)</td>
</tr>
<tr>
<td>GEO 5134C</td>
<td>Advanced Remote Sensing (3)</td>
</tr>
<tr>
<td>GEO 5178</td>
<td>Geographic Information Systems for Environmental Analysis and Modeling (3)</td>
</tr>
<tr>
<td>GEO 5934</td>
<td>Seminar in Current Topics: Advanced Quantitative Geography (3)</td>
</tr>
<tr>
<td>GEO 5934</td>
<td>Seminar in Current Topics: Bayesian Analysis and Modeling (3)</td>
</tr>
<tr>
<td>GIS 5111</td>
<td>Spatial Modeling and Geographic Information Science (3)</td>
</tr>
<tr>
<td>GIS 5400</td>
<td>Geographic Information Systems Applications for Social Sciences (3)</td>
</tr>
<tr>
<td>ISM 5206</td>
<td>Database Development and Management (3)</td>
</tr>
<tr>
<td>URP 5279</td>
<td>Urban and Regional Information Systems Practicum (3)</td>
</tr>
</tbody>
</table>

The Capstone Project (six [6] semester hours) is designed in consultation with a faculty member and demonstrates the student’s skills by either developing an individual project or engaging in a work-related internship. It is offered only during summer terms.

PhD Program

For the doctoral program, the course requirements include the three courses required of the master’s degree (if not taken previously), two additional core courses, and at least seven elective courses (twenty-one [21] semester hours total). All doctoral students must pass qualifying exams, including written and oral portions, for admission to candidacy for the doctoral degree. The supervisory committee determines passage
may be
Focuses on
— A survey of the 
(S/U grade 
only.) A minimum 
The concepts, ap 
(P/F grade only.) 
Examination of Examines controversies over the use, 
(Geographic Information Systems 
creation, analysis, and display of statistical surfaces. Students 
examines the design and implementation of effective visual 
GEO 5058. Survey of Geographic Thought (3). 
and political economy with geographic relations.
Note: 
Definition of Prefixes
GEA — Geography: Regional Areas
GEO — Geography: Systematic
GIS — Geographic Information Systems
Graduate Courses
Note: many courses are taught as seminars in current topics (see GEO 5934r below). Call the department for current offerings.
GEO 5195r. Advanced Area Studies (3). In-depth study of a particular world geographic region. Students must be in residence in the fall or spring term. (Approval is required of students and faculty members involved). Offered May 2014-2015.
GEO 5056. Social Theory and Spatial Structures (3). Offered every Fall.
GEO 5058. Survey of Geographic Thought (3). History of geography as a discipline, ranging from classical origins to contemporary philosophical schools and debates.
GEO 5105. Geographic Visualization (3). This course examines and implements effective visualization of geographic data, phenomena, patterns, and processes. The theoretical basis is formed by cartography, visual perception, and communication models. Emphasis is placed on the creation, analysis, and display of spatially realistic landscapes. Students use trends in cartography visualization methods including interactive and animated mapping techniques. Practical training with one or more commercial software packages is included as well as graphical design exercises.
GEO 5115. Introduction to Geographic Research (3). Survey of research design and methods, strengths and weaknesses of alternative strategies, reliability and validity measures, and methods of analysis.
GEO 5134C. Advanced Remote Sensing (3). Prerequisite: GEO 5934. This course focuses on quantitative approaches to the analysis of remotely sensed multispectral, multisensor remote sensing images acquired by a range of sensors, and the application of digital remote sensing for spatial modeling and land use planning models. This course will focus on the use of remote sensing for planning and land use. Quantitative methods in digital remote sensing image enhancement, radiometric normalization, rectification, georeferencing, classification, thematic extraction, and estimation of surface properties will be emphasized.
GEO 5157. Advanced Geographic Information Systems (3). Prerequisite: GEO 5146. Students study GIS to a problem from their own research or one supplied by a local government agency. Topics include environmental modeling, GIS spatial analysis and visualization.
GEO 5158. Advanced Geographic Information Science (3). Prerequisite: GEO 5159. This course examines advanced topics and cutting-edge techniques in Geographic Information Science. Subjects covered include any combination of the following: spatial cognition; geographical representation; spatial social theory; geographical representation; spatial simulation; spatial modeling and simulation; spatial interpolation; digital terrain modeling and visualization; spatial data mining and spatial statistics; spatial data management systems; Geographic Information Systems (GIS); Internet GIS; design and implementation; and social dimension of geographic information. The course consists of lectures, lab assignments, readings, and independent research projects.
GEO 5159. Geographic Information Processing and Systems (3). Prerequisite: GEO 5140 or consent of instructor. A selection of topics on GIS topics, including locational control, spatial data structures, spatial cartographic statistics, modeling and analysis, trends in decision support, sensors, and geographic information science. GIS implementation, and GIS applications.
GEO 5165C. Quantitative Geographic (3). Prerequisite: GEO 4185C. Introduces the use of probability theory and descriptive and inferential statistics in geographic research, including chi-square tests, log model, correlations, techniques, geo-statistics, analysis of variance, simple and multiple regression, and other descriptive and inferential statistics.
GEO 5178. Geographical Information Systems for Environmental Analysis and Modeling (3). Technical topics covered include spatial time variability in environmental data, environmental data acquisition and integration, interpolating environmental data, error and uncertainty, environmental decision support systems, environmental modeling techniques, and the integration of geospatial technologies with environmental modeling systems. Applications include hydrological modeling and geographical modeling and watershed analysis, landscape metrics and landscape pattern analysis, cartographic modeling and land suitability analysis, non-point pollutant modeling, soil erosion modeling, wildfire modeling, and landscape dynamic modeling.
GEO 5262C. Soils and Land Forms (3). Land forms, soils and their relationships, and the spatial variations with particular emphasis on the coterminous United States.
GEO 5287. Water Resource Analysis (3). Focuses on water as natural and social resource, models of hydraulic flow, groundwater, water pollution, public planning measures; particular reference is made to water utilization in Florida.
GEO 5305. 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 5345. Disaster Preparedness and Hazards Mitigation (3). This course is an examination of the natural and man-made hazards such as hurricanes and earthquakes and human-made hazards such as nuclear power and air pollution. The student will acquire the ability to critically analyze and interpret different hazards among public policy alternatives regarding responses to environmental hazards.
GEO 5353. Human Dimensions of Global Environmental Change (3). Course surveys the multiple ways in which humans have initiated or accelerated changes in the earth’s physical environment that impact population growth, resource depletion, pollution and species destruction. It relates these topics to contemporary geographical theory.
GEO 5358. Project on Economic Development (3). Examines controversies over the use, transformation, and destruction of nature, including political ecology.
GEO 5377. Natural Resource Assessment and Analysis (3). This course traces the historical development of policies concerning natural resources from colonial period to the present. Current issues in conservation and environmental management are discussed.
GEO 5417. Race and Place (3). This course integrates various concepts and topics concerned with the spatial consequences of race, ethnicity, gender, class, and political and cultural landscapes, and environmental justice.
GEO 5425. 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, and methods for making generalizations about United States.
GEO 5465. Historical Geography (3). The concepts, approaches and research methods appropriate to the analysis of space, time, and scale in the remaking of the changing occupation of the face of the earth through time.
GEO 5472. Political Geography (3). Examination of how political processes play out over space, from the local to the global levels. Topics include electoral geographies, nationalism and war, and current geopolitics.
GEO 5481. Military Geography (3). A survey of the geography of warfare, including: tactics and terrain, strategy and the theater of war, insurgency, war in cities, geopolitics and grand strategy.
GEO 5545. Advanced Economic Geography (3). In-depth examination of several themes in the analysis of economic landscapes, including input-output analysis, historical materialism, post-Fordism, services and telecommunications, and the global economy.
GEO 5555. World Systems Theory (3). Systematic interrogration of the birth and historical trajectory of the contemporary capitalist world economy, including dependency theory, catchment theory, and current topics in ethnic conflict and the global economy.
GEO 5605. Urban Geography (3). Close reading of re- sources and primary sources. An examination of urban change from the growth of labor and restructuring, urban social theory, suburbanization, the crisis of the inner city ghetto, urban policies and politics, and world cities.
GEO 5705. Communications Geography (3). This course is an examination of the geopolitics of telecommunication, the space-shrinking impact of technologies, and their economic and social effects, including cyberpace.
GEO 5908r. Directed Individual Study (1–3). May be repeated for a maximum of six semester hours.
GEO 5918r. Supervised Research (1–3). (S/U grade only). A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of three (3) semester hours.
GEO 5934r. Seminar in Current Topics (3). A variety of subjects is offered on an occasional basis under the heading of “Special Topics.” Recent offerings include the Geography of Hunger, Advanced GIS, and Globalization.
GEO 5947r. Supervised Teaching (1–3). (S/U grade only). A maximum of three (3) hours may apply to the master’s degree. May be repeated to a maximum of three (3) semester hours.
GEO 5971r. Thesis (1–9). (S/U grade only). A minimum of six (6) semester hours is required.
GEO 5985r. Dissertation Defense (0). (S/U grade only.)
GEO 5986r. Dissertation Examination (0). (P/F grade only.)
GEO 5987r. Master’s Comprehensive Examination (0). (P/F grade only.)
GEO 5988r. Master’s Thesis Defense (0). (P/F grade only.)
GEO 5989r. Dissertation Defense (0). (P/F grade only.)
GEO 5991r. Spatial Modeling in Geographic Information Systems (3). This course provides an introduction to spatial modeling theories and associated techniques in GIS. Topics addressed include spatial optimization, GIS for transportation, spatial decision support systems, and other advanced quantitative techniques. Emphasis is on fostering a broad understanding of spatial modeling and connecting spatial modeling techniques to students’ substantive domains.
GEO 5400. Geographic Information Systems Applications in Social Sciences (3). This course surveys the use of GIS for solving spatial problems in the social sciences. Practical examples from the fields of health, economic geography and real estate, housing, transportation, criminology, and others are used to illustrate how spatial analysis techniques are used to address problems in a GIS environment. Special consideration is given to the data needs of such operations, the implementation of models in a GIS environment, and understanding the spatial assumptions and issues that underpin analyses.

**Definitions of Terms**

**Academic Programs**

**Geography: Regional Areas**

**Geography: Systematic**

**Geographic Information Systems**
The Department of Geological Sciences offers postbaccalaureate studies leading to both the master of science (MS) and the doctor of philosophy (PhD) degrees in geology and geophysics through a wide variety of specialties. The doctoral degree program is intended to develop independent research abilities for those students who have the talent and motivation for original and creative work. The department also stresses teaching the necessary skills for those who choose to obtain the MS degree.

The geology program began in 1949, and the Carraway Building, the department's primary home, was completed in 1953 and renovated in 1998. The PhD program was initiated in the early 1960s, and the permanent faculty has since grown to its present size. Faculty interests encompass many specialties, including micropaleontology, marine geology, both chemical and physical hydrogeology, sedimentology and coastal processes, geomorphology, geochemistry, structure and tectonics, seismology, geochronology, economic geology, petrology, and environmental geology.

Both geology majors and those from other disciplines with a strong background in natural sciences may enter the program, with an emphasis on studies pertinent to their interests. Research programs may be conducted within the Department of Geological Sciences, or they may involve collaborative work with members of the departments of Oceanography and Physics, the College of Engineering, the Geophysical Fluid Dynamics Institute, the School of Computational Science and Information Technology, and the National High Magnetic Field Laboratory. The Department of Geological Sciences conducts cooperative programs with the Florida Geological Survey, Northwest Florida Water Management District, Florida Department of Environmental Protection, and the United States Geological Survey. The department provides a service to the international geological community, funded by the National Science Foundation (NSF), by maintaining a repository for marines cores in the Antarctic Research Facility.

Instrumentation available for research includes an ICP-MS, computer-controlled thermal ionization and secondary ionization mass spectrometers, Delta Plus isotope mass spectrometer, alpha and gamma spectrometers, automated X-ray crystallography, thin-section preparation equipment, electron spin resonance spectrometer, atomic absorption and UV-VIS spectrometers, scanning electron microscope with microprobe attachment, gravimeter and magnetometer, recirculating sediment transport flume, automated settling tube, electrozone particle counter, computerized image capture and analysis system, and facilities for hydrologic studies of surface and ground waters (saturated and unsaturated). A number of research microscopes, image analysis system, GIS laboratory, microcomputers, and field vehicles, as well as geochemical sample and thin-section preparation equipment, also support the program.

In addition to holding faculty positions at major universities around the world, graduates of this program have outstanding records in both government and industry. In Florida, large numbers of the department's graduates are employed by the Water Management Districts of the state, the Department of Environmental Protection, the Florida Geological Survey, the United States Geological Survey, phosphate and clay mining companies, and numerous geologic and engineering consultant companies. Outside the state, a large number of graduates hold scientific and executive positions with major petroleum and mining companies. Other geology graduates hold civil service positions with the United States Nuclear Regulatory Commission, National Aeronautics and Space Administration, United States Geological Survey, Soil Conservation Districts, Army Corps of Engineers, and state geological surveys.

Fellowships, as well as teaching and research assistantships, are available to highly qualified students. This financial support, which varies considerably in size of stipends and number of awards from year to year, is awarded on a competitive basis. In addition, numerous geologically related part-time jobs, with both governmental and private agencies, are available in Tallahassee. Graduate students who require some type of financial assistance can normally find it. Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin. The following requirements for the MS and PhD degrees are spelled out in greater detail in the Department of Geological Sciences Graduate Handbook.

**Admission Requirements**

Admission to the graduate program requires a score of 1000 (verbal and quantitative) on the aptitude test of the Graduate Record Examinations (GRE) and a score of at least 400 on each portion. In addition, the applicant should have an undergraduate grade point average (GPA) of 3.0. International students whose native languages are other than English are also required to achieve a score of 550 or better on the Educational Testing Service's Test of English as a Foreign Language (TOEFL), and to take (and report scores to this department) the Test for Spoken English (TSE).

A beginning graduate student should normally have preparation equivalent to that required for a baccalaureate degree in geology at this University, including a minimum of one year each of chemistry and physics, mathematics through calculus, physical and historical geology, paleontology, mineralogy, elementary petrology, structural geology, stratigraphy, and field geology.

**Master’s Degree Requirements**

The Department of Geological Sciences offers only the thesis-type program for the master’s degree. In addition to the number of bound copies required by the University, one copy must be provided to the department, the binding of which shall meet American Library Association standards.

Course work appropriate to the needs of the individual student should be arranged with the graduate student adviser or with the major professor and the supervisory committee. One course is required in each of the following areas: 1) mineralogy/petrology/geochemistry, 2) structure/tectonics/geo-physics, 3) paleontology/stratigraphy, and 4) hydrology/geomorphology/sedimentation. One semester per year of seminar (GLY 5931r) also is required.

No later than the second semester of the student’s graduate program, a thesis adviser must be selected and a program of study approved. For admission to candidacy, students must present to the supervisory committee and publicly defend a description of proposed thesis research (prospectus). In addition, students must demonstrate, by means of a comprehensive examination taken by the preparation of the dissertation as a series of published or publishable journal articles.

**Doctor of Philosophy Degree**

The PhD degree is based on satisfactory completion of required course work, broad scholarship built on wide and critical reading, capacity for independent thought, and ability to do original and independent scholarly work. In addition to the number of bound copies required by the University, one copy of the dissertation must be provided to the department, the binding of which shall meet American Library Association standards. The department strongly encourages the presentation of the dissertation as a series of published or publishable journal articles.

Doctoral students must participate in one seminar annually. For details, consult the Department of Geological Sciences Graduate Handbook. A minor subject outside the department may be pursued.

The candidate must present to the supervisory committee and publicly defend a description of proposed dissertation research (prospectus). In addition, students must demonstrate by the fourth semester, by means of written and oral examination (preliminary exam), proficiency in general geology, as well as their area of specialization. The examining committee normally will be comprised of the student’s supervisory committee, appointed by the chair. During the term that this oral examination is scheduled, the student must enroll for GLY 8964r, Preliminary Doctoral Examination.

**Definition of Prefix**

**GLY** Geology

**Graduate Courses**

**GLY 5020r. Current Topics in Earth Science (3).** An overview of recent advances in earth sciences for secondary school earth science teachers. May not be taken for major credit in the College of Arts and Sciences. May be repeated a maximum of six (6) semester hours.

**GLY 5021r. Current Topics in Earth Science (3).** An overview of recent advances in earth sciences, for secondary school earth science teachers. May be repeated a maximum of six (6) semester hours. May not be taken for major credit in earth science.
Prerequisite: GLY 4240 or equivalent. X-Ray Crystallography (3). Application of X-ray diffraction and X-ray fluorescence techniques to the study of minerals. GLY 5261. Geochronology (2). Prerequisite: GLY 4240 or equivalent. Theory, techniques, and application of dating geologic materials by methods utilizing natural radioactivity; the accumulation of radiogenic isotopes, and the radiation damage or molecular structure of materials. GLY 5265. Nuclear Geology (3). Prerequisite: GLY 4240 or equivalent. Nucleosynthesis and systematics of the nuclides, radioactive and radiogenic isotopes as natural tracers, theory and application of isotopic fractionation. GLY 5267. Stable Isotopic Tracers in the Environment (3). An introduction to the basic principles of stable isotope geochemistry. The application of stable isotopes to geochronology, hydrological and ecological problems. GLY 5295r. Advanced Topics in Nuclear Geology (1–3). May be repeated to a maximum of six (6) semester hours. GLY 5298r. Advanced Topics in Geochemistry (1–3). May be repeated to a maximum of six (6) semester hours. GLY 5315. Quaternary Geology (3). This course will examine the following subjects: geochronology; paleomagnetism; other nonchronometric dating methods; causes of climate change; alluvial and marine terraces; mean sea-level history; gravity and isotasy (including post-glacial rebound); ice deposits; causes of ice ages. GLY 5320C. X-Ray Crystallography (3). Prerequisite: GLY 5320C or equivalent. GLY 5425. Tectonics (3). Prerequisite: GLY 3400C or equivalent. Advanced treatment of crustal deformation in mountains; the sequence of events and evaluation of deformation styles. GLY 5455. Advanced Structural Geology (1–3). Prerequisite: GLY 3400C. Study of basics of continuum mechanics as related to the principles of deformation; stress and strain analysis; and rheological relationships in geological materials. Analysis of deformational mechanisms, fracture and brittle behavior; and rock fabrics. GLY 5455. Introduction to Geophysics (3). Prerequisite: PHY 2049 or consent of instructor. 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 5465. Geomechanics (3). Prerequisite: MAP 2302, 3305, PHY 2048C. A systematic investigation of the dynamic behavior of geological materials, in the context of continuum mechanics, with emphasis on one-dimensional motions including seismic waves, surface-water waves, tsunamis, river flows, floods, glaciers, sliding and slumping. As time permits, motions involving thermal effects will be considered, including lava flows, volcanic eruptions and certain aspects of flow in the earth’s mantle. GLY 5495c. Advanced Topics in Structural Geology (3). Special topics, on demand, in structural geology, rock deformation, and tectonics of mountain building. May be repeated to a maximum of six (6) semester hours. GLY 5516. Stratigraphy and Sequence Analysis (3). Prerequisite: GLY 3400C. The interpretation of stratigraphic sequences, including an overview of sedimentary petrogenesis; principles of lithostratigraphic, biostratigraphic, and chronostratigraphic correlation; geochronology and geophysical correlation, including magnetic, seismic, and subsurface correlation; tectonics and stratigraphy. GLY 5556. Hydrodynamics (3). Prerequisites: MAC 2312, PHY 2048C. The dynamics of flowing water on and near the earth’s surface; porous-media flows and boundary flows as they pertain to geologic phenomena. GLY 5573. Fluvial Processes (3). Prerequisites: Calculus III, physics B. Fluvial hydrology, sediment movement, and channel evolution. GLY 5575. Coastal Geology (3). Topics in this course include sedimentologic processes operating along modern coasts, erosion and deposition, shoreline evolution, effects of sea level and climate change on shorelines, coastal morphodynamics, responses to critical erosion, and sediment transport. GLY 5576. Stratigraphy and Sediments of Transitional Marine Environments (3). Prerequisite: GLY 4551, 4511, or equivalent. Stratigraphy and development of transitional sedimentary environments: comparison of modern and ancient examples of deltas, estuaries, lagoons, barrier islands, and shelf deposits; models for sedimentation; seismic stratigraphy of marginal marine environments; sedimentologic effects of sea-level change; facies analysis. GLY 5577. Sedimentary Basin Analysis (3). Prerequisite: GLY 4511. Analytical techniques for the interpretation of sedimentary basins, including: lithofacies analysis, depositional systems, thermal history, seismic reflection and sequence stratigraphy. Also addresses climatic and tectonic controls on basin evolution; subsidence modeling, provenance studies and cyclic sedimentation. GLY 5624C. Introduction to Micropaleontology (3). Taxonomy, ecology, and paleoenvironmental aspects of selected microfossils with emphasis on foraminifera. GLY 5625C. Advanced Micropaleontology (3). Biostratigraphic and evolutionary studies with emphasis on smaller foraminifera. GLY 5695r. Advanced Topics in Paleontology (1–3). Special topics, on demand, in paleontology. May be repeated to a maximum of six (6) semester hours.
GLE 596Cr. Mesozoic Planktonic Calcareous Nanno-
foils (4–6). Biostatistics, biogeography, and taxonomy of this widely occurring group of marine microfossils. May be repeated to a maximum of eight (8) semester hours.

GLE 597Cr. Cenozoic Planktonic Calcareous Nanno-
foils (4–6). Biostatistics, biogeography, and taxonomy of this widely occurring group of marine microfossils. May be repeated for a maximum of eight (8) semester hours.

GLE 573r. Marine Geophysical Fluid Dynamics (3). Prerequisites: Graduate standing, MAC 2313. The "a-b-c . . ." model of sediment transport and beach erosion; Langmuir cells; wave vs. sediment interactions (energetics).

GLE 5736. 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 course for familiarization with marine geologic sampling and testing. Credit may not be received for both GLE 5736 and OCG 5501.

GLE 5756. Advanced Field Methods (I). Provides stu-
dents with practical experience in the techniques, procedures, and tools necessary to geological field research. An introduc-
tion to the use of aerial photography in geologic research. Required for summer field course.

GLE 5757C. Fundamentals of Remote Sensing, Air Photo Interpretation and GIS for the Earth Sciences (4). Prerequisites: GLE 3400C, 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 analysis and GIS in the study of earth resources and global change.

GLE 5825. Physical Hydrology (3). Prerequisites: GLE 5827; MAC 2312; PHY 2048. An introductory treatment of the physical processes controlling water flow in surface water and ground water; hydrocarbon geochemistry and petroleum storage tank problems; waste management, including solid,

GLE 5826. Numerical Modeling of Groundwater Flow (3). Prerequisite: GLE 5825. Fundamental equations of ground-

GLE 5828. Chemical Hydrology (3). Prerequisite: GLE 5827 or consent of instructor. Geochemical principles relating to natural water resources and land use practices are addressed.


GLE 586b. Advanced Topics in Sedimentation and Stratigraphy (1–3). Special topics, on demand, in fluvial, shoreline, and oceanic sedimentation and in stratigraphic principles or regional stratigraphy. May be repeated to a maximum of six (6) semester hours.

GLE 5885. Geologic Hazards Assessment (3). Designed as an overview for understanding the geologic perspective in assessing environmental hazards. Topics covered include: beach processes and erosional effects of severe storms, evaluation of flood-prone and wetland areas, evaluation of sink holes, landfill sitings and remediation, mine reclamation problems, contaminant transport and contamination plumes, nuclear waste disposal, and glacial and geologic change.

GLE 5887. Environmental Geology (1). Application of geologic and geochemical principles to environmental issues. Topics covered include: evaluation of contaminants in surface water, ground water; hydrocarbon geochemistry and petroleum storage tank problems; waste management, including solid,

GLE 5896. Advanced Topics in Hydrology (1–3). Special topics on demand in the theory and application of hydrologic modeling, remote sensing, and radioactive and radiometric tracers. May be repeated to a maximum of six (6) semester hours.

GLE 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated for a maximum of nine (9) semester hours.

GLE 5910r. Supervised Research (1–5). (S/U grade only.) No more than three (3) semester hours may apply to a master’s degree. May be repeated to a maximum of five (5) semester hours.

GLE 5931r. Graduate Seminar (1). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. No more than three (3) hours may apply to a master’s degree.

GLE 5971r. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours of credit is required.

GLE 6989r. Dissertation (1–2). (S/U grade only.) A minimum of twenty-four (24) semester hours of credit is required.

GLE 6984r. Preliminary Doctoral Examination (0). (P/F grade only.)

GLE 6966r. Master’s Comprehensive Examination (0). (P/F grade only.)

GLE 6975r. Master’s Thesis Defense (0). (P/F grade only.)

GLE 8985r. Dissertation Defense (0). (P/F grade only.)

Program in

GEOPHYSICAL FLUID DYNAMICS

College of Arts and Sciences

Program Director: Louis St. Laurent,
Coordinating Committee: Georgen (Geologi-
cal Sciences), Jin (Meteorology), St. Laurent
(Oceanography) Wang (Mathematics); Profes-
sors: Ballom (Engineering), Wang (Mathemat-
ics), Wang (Oceanography), Clarke, Dewar, Hussaini, R. Krishnamurti,
T. N. Krishnamurti, Loper (Geological Sciences),
Navon (Mathematics), Nof, O’Brien (Metero-
logy), Pfeffer (Meteorology), Speer (Ocean-
ography), Stern, Weatherly (Oceanography),
Zou; Associate Professors: Blumsack, Cai,
Clayson, Coull (Geological sciences); Pro-
fessors: Bourassa, Chan-Hilton (Engineering),
Georgen, Reasor (Meteorology), St. Laurent
(Oceanography); Visiting Professor: Jin; Vis-
ing Assistant Professors: Cunningham (Me-
teorology), Fagherazzi (Geological Sciences); Reseach Associates: Cain, Challa, Kung.

Geophysical fluid dynamics is an interdisci-
plinary field of study whose primary goal is an
improvement in our basic understanding of
fluid flows which occur naturally, including such
diverse topics as climate and paleoclimatic, bi-
geochemo processes, hydrology and Karst
dynamics, air-sea interaction, wild fire dynam-
ics, droughts, floods, processes, and interactions with the natural

The well-prepared student will have a strong
background in mathematics and physics. The
program director may, in some cases, admit
offices. Institute facilities also include several
environmental monitoring stations, a meter water
channel, convection tanks, temperature control-
ling systems, general and digital photographic
systems, multi-channel data acquisition systems,
laser facilities, various machine tools, and other
electronic equipment. The institute houses a fa-
cility for measuring ocean turbulence as well.

The main computing facilities at GFfD consist of
5 of Daul Xeon workstations running a mix of
Linux and Windows XP, two Daul AMD Op-
teron servers, a terabyte of high performance
disk space and four Dual AMD MP servers.
This is complemented by several other modern
workstations, laser-jet printers, scanners, and a
robust network infrastructure.

College Requirements

Please review all college-wide degree
requirements summarized in the “College of
Arts and Sciences” chapter of this Graduate
Bulletin.

Admission Requirements

Students are accepted into the program on
the basis of their academic record in science and
mathematics, their Graduate Record Examina-
tions (GRE) and/or Test of English as a Foreign
Language (TOEFL) score, and their letters of
recommendation. To be admitted, students
must meet the following general requirements:

Science and mathematics portion of their baccalaureate degree work (or any graduate degree work they
may have taken) and achieved a score of at least
1000 on the combined verbal and quantitative
portions of the aptitude test of the GRE. Students
expecting to receive financial assistance (see be-
low), must meet the minimum GRE score (see
above).

Foreign nationals are expected to have a score of 550 or better on the TOEFL examination.

The well-prepared student will have a strong
background in mathematics and physics. The
program director may, in some cases, admit
students lacking formal credit in some areas, provided the deficiencies are overcome by subsequent course work or study at The Florida State University.

Completion

The program of study for students is individually tailored to meet their particular needs and interests. The formal requirements are few and include completion of course work from several different departments with a grade of “B” or better, participation in a seminar at least two times, and mastery of modern computer techniques, particularly numerical analysis. The remainder of the curriculum is chosen by the advisory committee in consultation with the student based upon the student’s program of study. There is no foreign language requirement. The remainder of the curriculum is normally chosen from among courses offered by several departments. Typically students, in consultation with their advisory committee, will choose from among the following topics.

Engineering

Viscous fluid flows, turbulent flows, introduction to computational mechanics, water resources and environmental engineering, hydraulics, hydrology, and ground water.

Geological Sciences

Geophysics, geophysical methods, seismology, modeling of groundwater flow, hydrology.

Mathematics

Numerical analysis, vector and tensor analysis, ordinary differential equations, matrix algebra, integral transforms and asymptotics, perturbation theory, hydrodynamic stability, wave propagation theory.

Meteorology

Atmospheric thermodynamics, atmospheric dynamics, large-scale atmospheric circulation, dynamical weather prediction, air-sea interaction, satellite oceanography.

Oceanography

Ocean waves, stability of geophysical fluid flows, ocean dynamics and circulation, coastal ocean dynamics, main ocean thermocline, turbulence.

Physics

Principles of thermodynamics, mechanics, electricity and magnetism, theoretical dynamics, electrodynamics, statistical mechanics.

Statistics

Computational methods in statistics, statistical procedures for the natural sciences, statistical inference, probability, multivariate analysis, stochastic processes, applied time series analysis. Note: description of the following courses can be found under the departmental listings.

Engineering

CEG 5125, 5415, 5515, 5635; EGM 5456, 5810, 6845; ENV 5045.

Geological Sciences

GLY 4451, 5425, 5556, 5573, 5575, 5825, 5827, 5868.

Mathematics

MAA 4402; MAD 5708, 5738, 5739, 6408r; MAP 5207, 5217, 5345, 5346, 5423, 5431, 5441, 5512, 5513, 6434r, 6437r, 6939r.

Meteorology

MET 5311, 5312, 5340r, 5471, 5541r.

Oceanography

OCP 5056, 5253, 5271, 5285, 5551, 5939r.

Physics

PHY 4222, 4513, 5246, 5346, 5347, 5524.

Statistics

STA 5106, 5206, 5326, 5327, 5440, 5447, 5807r.

Definition of Prefix

GFD — Geophysical Fluid Dynamics

Graduate Courses

GFD 6925. Geophysical Fluid Dynamics Colloquium (1). (S/U grade only.)

GFD 6935. Seminar (1–2). May be repeated to a maximum of two (2) semester hours.

GFD 6980r. Dissertation (1–12). (S/U grade only.) A student may not enroll for GFD 6980r prior to passing the preliminary examination (comprehensive examination). Students must establish their ability to handle modern computer techniques applicable to their research.

GFD 8964r. Doctoral Preliminary Examination (0). (P/F grade only.)

GFD 8985r. Dissertation Defense (0). (P/F grade only.)

GERMAN LANGUAGE,
LITERATURE IN
TRANSLATION
see Modern Languages and
Linguistics

GERONTOLOGY
see Aging and Public Policy, The Pepper Institute on; Urban and Regional Planning

GROWTH MANAGEMENT
AND COMPREHENSIVE
PLANNING
see Urban and Regional Planning

GUIDANCE AND
COUNSELING
see Educational Psychology and Learning Systems

HEALTH AND AGING,
PLANNING AND POLICY IN
see Urban and Regional Planning

HEALTH EDUCATION
see Middle and Secondary Education

Interdisciplinary Programs in
HEALTH POLICY AND
PUBLIC HEALTH

Director: William G. Weissert Faculty: Gary Fournier, Allen Imersein, Allan Rowan, John Taylor

The College of Social Sciences offers two health-focused interdisciplinary master’s degrees: the Master’s of Public Health (MPH) and the Master’s in Health Policy Research.

MPH degree graduates will be trained primarily as health administrators and health policy analysts. They will have a rich background in epidemiology, health economics, health behavior, health administration, health policy and policy analysis, and statistical and qualitative analytic skills. Careers are likely to include government agency or legislative staff positions, policy and consulting firms, think tanks, advocacy organizations and lobbying firms, international organizations focused on health and population issues, academic or media positions.

MPHPR degree graduates are trained primarily as health policy analysts. They will be well trained to use quantitative and qualitative methods and electronic information systems to research, organize, design, and evaluate programs and policies. They are likely to seek careers in government, policy research and consulting firms, the media, and other organizations and groups that primarily produce, process and use health policy information.

Requirements

For either program, students must meet the University’s general requirements for graduate admission and must be recommended by the program director. A baccalaureate degree from an accredited institution and a score from the general portion of the Graduate Record Examination are required. The minimum admission guidelines are for an undergraduate upper division grade point average of 3.0 or better and a minimum combined score of 1000 on the GRE. Higher attainment on one measure may offset lower attainment on another. These indicators are considered along with other evidence of preparation. For students whose native language is not English, a TOEFL score is required.

The program of study for each of the two degrees includes a set of required and elective
Course Requirements for the Master’s of Public Health

Required MPH core courses (twenty-one [21] semester hours):

- ECP 5536 Seminar in Health Economics (3)
- HSC 5203 Public Health History, Philosophy and Policy (3)
- HSC 5216 Environmental Health (3)
- POS 5036 Seminar in American Government and Public Policy: Health Politics and Policy Analysis (3)
- STA 5172 Statistics for Epidemiology (3)
- SYD 5137 Fundamentals of Epidemiology (3)

Approved MPH Electives (twelve [12] semester hours):

- No more than three (3) semester hours from the following:
  - SYA 4930 Selected Topics in Sociology: Medical Sociology (3)
  - SYO 5405 Health Institutions and Social Policy (3)
- No more than three (3) semester hours from the following:
  - PAD 5035 Policy Development and Administration (3)
  - PAD 5327 Public Program Evaluation (3)
  - PUP 5006 Policy Implementation and Evaluation (3)
  - SYA 5345 Introduction to Research Methods (3)
- No more than three (3) semester hours from the following:
  - PHC 5104 Public Health Management (3)
  - PHC 5912 Public Health Capstone and Research Project (3)
- No more than three (3) semester hours from the following:
  - CHM 5086 Environmental Chemistry I (3)
  - DIE 4244 Nutrition in Disease (3)
  - HSC 5603 Models of Health Behavior (3)
  - HUN 6248r Advances in Nutrition and Food Science (3–12)
  - SOW 5688 Living With AIDS: Prevention, Intervention and Care (3)
  - SOW 5712 Chemical Dependency Problems and Programs (3)
- No more than nine (9) semester hours from the following:
  - DEM 5930r Special Topics in Demography (3)
  - DEM 5930 Special Topics in Demography: Applied Demography Research (3)
  - STA 6174 Advanced Methods in Epidemiology (3)
  - SYD 5136 Life Course Epidemiology (3)
  - SYO 5416 Stress and Mental Health (3)
  - SYP 5735 Sociology of Aging (3)
  - SYP 5737 The Dynamics of Aging and Social Change (3)
- No more than nine (9) semester hours from the following:
  - PAD 5227 Managing Public Financial Resources (3)
  - PAD 5935 Seminar in Public Administration: Health Care Finance (3)
  - URP 5522 Regulatory Aspects in Healthcare (3) and any relevant advanced economics course.

Course Requirements for the Master’s of Health Policy Research

Required MHPR core courses (twenty-four [24] semester hours):

- ECP 5536 Seminar in Health Economics (3)
- HSC 5203 Public Health History, Philosophy and Policy (3)
- HSC 5216 Environmental Health (3)
- POS 5036 Seminar in American Government and Public Policy: Health Politics and Policy Analysis (3)
- STA 5172 Statistics for Epidemiology (3)
- SYA 5345 Introduction to Research Methods (3)
- SYA 5406 Multivariate Analysis (3)
- SYD 5137 Fundamentals of Epidemiology (3)

MHPR Concentration Options (nine [9] semester hours from one concentration)

Working in conjunction with the program director, the student may create a concentration comprising nine (9) semester hours from any relevant course of study, such as business administration, economics, information studies, psychology, sociology, or another discipline with courses relevant to health policy research. An example is given below for a health administration and policy concentration.

MHPR Concentration Example:

- No more than three (3) semester hours from the following:
  - SYA 4930 Selected Topics in Sociology: Medical Sociology (3)
  - SYO 5405 Health Institutions and Social Policy (3)
  - URP 5520 The US Health Care System (3)
- No more than three (3) semester hours from the following:
  - PAD 5035 Policy Development and Administration (3)
  - PAD 5327 Public Program Evaluation (3)
  - PUP 5006 Policy Implementation and Evaluation (3)
  - SYA 5345 Introduction to Research Methods (3)
- No more than three (3) semester hours from the following:
  - PHC 5104 Public Health Management (3)
  - PHC 5912 Public Health Capstone and Research Project (3)
- No more than three (3) semester hours from the following:
  - CHM 5086 Environmental Chemistry I (3)
  - DIE 4244 Nutrition in Disease (3)
  - HSC 5603 Models of Health Behavior (3)
  - HUN 6248r Advances in Nutrition and Food Science (3–12)
  - SOW 5688 Living With AIDS: Prevention, Intervention and Care (3)
  - SOW 5712 Chemical Dependency Problems and Programs (3)
- No more than nine (9) semester hours from the following:
  - DEM 5930r Special Topics in Demography (3)
  - DEM 5930 Special Topics in Demography: Applied Demography Research (3)
  - STA 6174 Advanced Methods in Epidemiology (3)
  - SYD 5136 Life Course Epidemiology (3)
  - SYO 5416 Stress and Mental Health (3)
  - SYP 5735 Sociology of Aging (3)
  - SYP 5737 The Dynamics of Aging and Social Change (3)
- No more than nine (9) semester hours from the following:
  - PAD 5227 Managing Public Financial Resources (3)
  - PAD 5935 Seminar in Public Administration: Health Care Finance (3)
  - URP 5522 Regulatory Aspects in Healthcare (3) and any relevant advanced economics course.

Additional Requirements for Both Degrees

Internship (three [3] semester hours)

The purpose of the internship is to gain practical skills in the application of research methods in an approved health delivery or health policy setting. The 400-hour internship experience is evaluated by the preceptor in the health setting, the student, and the faculty advisor. In special instances, the internship requirement may be partially or fully waived with appropriately documented justification.

Capstone Project (hours included in core above)

All students will complete a major policy analysis paper on a topic of their own choosing in conjunction with POS 5036, Health Politics and Policy Analysis, or PHC 5912, Public Health Capstone and Research Project. The paper will draw upon earlier courses as well as the capstone course to provide a capstone experience.

Prerequisite Courses as needed (three to six [3-6] semester hours)

Some courses may require prerequisites for students deemed not adequately prepared to handle the course material. Prerequisite credits may not be counted toward core, elective or total credit requirements.

Substitutions

Courses drawn from various departments may be substituted for certain core and elective requirements including introductory research design, statistics, and advanced methods. Substitutions must be approved by the director or director’s designee.

Total Credits

A minimum of thirty-six (36) semester hours of academic credit is required for graduation (plus any required prerequisites) with a minimum of 3.0 GPA.

Definition of Prefixes

- HSC — Health Sciences
- PHC — Public Health Concentration

Graduate Courses

- HSC 5203. Public Health History, Philosophy and Policy (3). This course provides an introductory overview of the history of public health. The philosophy and concepts basic to public health practice are addressed in depth. Basic skills related to health delivery in the U.S. and throughout the world are reviewed.
- HSC 5216. Environmental Health (3). This course covers the science behind the basic elements of environmental health and its centrality to human health. It includes the basics of providing a pure water supply, sanitation of waste matters, and common field procedures needed for environmental surveillance.
- PHC 5104. Public Health Management (3). This course provides the essentials basic to managing public health programs. Administrative content includes an overview of targeted programs, communications, and planning, budgeting, implementing, and evaluating public health programs.
- PHC 5912. Public Health Capstone and Research Project (6). (S/U grade only.) This practical and research application course allows the student to integrate all knowledge gained in the core courses and apply that knowledge in a systematic way through an applied research project that is defended before two faculty.

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ACADEMIC PROGRAMS

Health-Related Programs

Numerous health-related programs at The 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, and (in some instances) certification opportunities for graduate students. For more detailed information and requirements, see individual program listings in this Graduate 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 gerontological issues. The resources of the institute are used to support individual or collaborative research and graduate training initiatives by providing technical assistance or a location for conducting research. As an aid to the community, the institute engages in projects relevant to engaging and professional staff. The institute facilitates and disseminates research information, provides guidance to students interested in aging and administers the Master’s in Aging Studies and Certificate in Aging Studies. The Master’s in Aging Studies prepares graduates to assume professional positions in aging research, administration, planning, implementation and evaluation of programs designed to improve the lives of older adults and their families. The certificate provides an educational credential that documents the additional training and experience the student has received in the field of aging. The Pepper Institute on Aging is located in the Pepper Center, which houses faculty offices, part of the art research facilities, computer labs and survey support resources. The Pepper Center also contains the Pepper Library and Museum and the Broad Auditorium enabling the institute faculty to present research and promote outreach activities to students, state officials, and citizens throughout the state. For information contact slampman@mailer.fsu.edu or (850) 644-3520.

Department of Communication Disorders

The Department of Communication Disorders has majors in speech-language pathology and specialized communication science and offers the graduate degrees of master of arts (MA), master of science (MS), advanced master of science (AMS), and doctor of philosophy (PhD). The scope of the department includes the whole of human communication, both normal and disordered, both face-to-face and mediated. The department offers the total professional education and training in speech and hearing sciences, development and communicative skills, and obtain experience in evaluation, treatment, and research. For information contact: commdis.info@comm.fsu.edu or (850) 644-2253.

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 practice. More than forty courses are available in the following disciplines: Art Education; Communication Disorders; Family and Child Services; Middle and Secondary Education; Music Education/Therapy; Nursing; Nutrition, Food and Exercise Sciences; Physical Education; Psychology; Social Work; and Special Education. For information, contact lgessner@fsu.edu or (850) 644-9141.

Health Education Program

The health education program of the Department of Middle and Secondary Education is designed to prepare students to obtain teacher certification in school health, community health and, school/community health leading to a master’s degree. The school health education program is designed to provide students with a broad background in school health education program development, implementation, and evaluation. The community health education program is designed to prepare the health education specialist to select, implement, and evaluate strategies designed to promote individual and/or community wellness. Individuals are prepared to function as health educators in the setting of business and industry, medical care, governmental, and tax-supported agencies. A school/community health education program is also available which is designed to prepare students to obtain teacher certification in school health education as well as gain skills and experiences in community health settings.

Interdisciplinary Social/Health Sciences

The College of Social Sciences offers two health-focused Interdisciplinary Master’s degrees: one is the Master of Public Health (MPH). The other is the Master in Health Policy Research (MHPR). MPH degree graduates will be trained primarily as health administrators and health policy analysts. They will have a rich background in epidemiology, health economics, health behavior, health administration, health policy and policy analysis, and statistical and qualitative analytic skills. Careers are likely to include government agency or legislative staff positions, policy and consulting firms, think tanks, advocacy organizations, and lobbying agencies. Students can choose from a variety of advanced practice nursing roles, with an emphasis on nursing education, case management, clinical nurse specialist, and nurse practitioner roles. The graduate program leading to a master of science degree in nursing, or a master in nursing degree for a non-thesis option, is focused on the clinical specialties in family and community nursing.

Interdisciplinary Curriculum in Health Services Administration and Policy

The interdisciplinary curriculum in health services administration and policy is organized to train managers, policymakers, and researchers who will be able to respond to and help shape the rapidly changing health care arena. The interdisciplinary curriculum draws upon faculty interest and expertise in health services administration and policy from throughout the university, including faculty from business, economics, human sciences, public administration and policy, sociology, social work, and urban and regional planning. The program consists of three core courses and two electives that students can choose from. The three core courses, health policy and public administration, health institutions and services, and health care finance, provide students with the fundamental knowledge and skills required for any future work within health care policy and administration. Students choose from a range of additional courses to build upon this core. Specific degree programs may require or allow additional electives or course or a student’s choice of electives, the program will emphasize either policy or administration. For additional information, see the “Health Services Administration and Policy” chapter in this Graduate Bulletin.

School of Nursing

The School of Nursing offers a master’s degree program. Graduates are educated for a variety of advanced practice nursing roles, with an emphasis on nursing education, case management, clinical nurse specialist, and nurse practitioner roles. The graduate program leading to a master of science degree in nursing, or a master in nursing degree for a non-thesis option, is focused on the clinical specialties in family and community nursing.

Department of Nutrition, Food and Exercise Sciences

The Department of Nutrition, Food and Exercise Sciences’ mission is to contribute to the prevention of chronic disease through the conduct of applied and basic research and strong teaching programs that prepare the next generation of scholars and practitioners.

The Department of Nutrition, Food and Exercise Sciences provides students with a sound foundation in the scientific aspects of nutrition, foods and physical activity through its master’s and doctoral programs. Programs are dedicated to training skilled researchers and practitioners in techniques necessary for effective intervention for the prevention of chronic disease. The Florida State University was the first university to develop a major in nutrition and fitness at both the undergraduate and graduate levels.

Students are provided with in-depth study of nutrition, metabolism, nutritional support in health and disease, health behavior, food chemistry, exercise physiology, and motor behavior. Students may pursue degrees at the master’s and doctoral level with options in nutrition, food science and exercise physiology. Master’s students are

The interdisciplinary curriculum in health services administration and policy is organized to train managers, policymakers, and researchers who will be able to respond to and help shape the rapidly changing health care arena. The interdisciplinary curriculum draws upon faculty interest and expertise in health services administration and policy from throughout the university, including faculty from business, economics, human sciences, public administration and policy, sociology, social work, and urban and regional planning. The program consists of three core courses and two electives that students can choose from. The three core courses, health policy and public administration, health institutions and services, and health care finance, provide students with the fundamental knowledge and skills required for any future work within health care policy and administration. Students choose from a range of additional courses to build upon this core. Specific degree programs may require or allow additional electives or course or a student’s choice of electives, the program will emphasize either policy or administration. For additional information, see the “Health Services Administration and Policy” chapter in this Graduate Bulletin.
trained as health practitioners in cardiac rehabilitation, exercise test technologists, dietetics, sports nutrition, fitness, nutrition education and health promotion, and food science. Doctoral graduates are prepared for traditional university teaching and research positions. Additionally, food science graduates are being recruited by the food industry.

**School of Social Work**

Based on values of service, social and economic justice, dignity and worth of the person, importance of human relationships, and integrity and competence in practice, the purposes of social work are to: 1) enhance human well-being and alleviate poverty, oppression, and other forms of social injustice; 2) enhance the social functioning and interactions of individuals, families, groups, organizations, and communities by involving them in accomplishing goals, developing resources, and preventing and alleviating distress; 3) formulate and implement basic human needs and support the development of human capacities; 4) pursue policies, services and resources through advocacy and social or political actions that promote social and economic justice; 5) develop and use evidence-based research, knowledge, and skills that advance social work practices; and 6) develop and apply practice in the context of diverse cultures.

The purpose of social work education is to prepare competent and effective social work professionals, to develop social work knowledge, and to provide leadership in the development of service delivery systems. Social work education is grounded in the profession’s history, purposes, and philosophy and is based on a body of knowledge, values, and skills. Social work education enables students to integrate the knowledge, values, and skills of the social work profession for competent, evidence-based practice.

The School of Social Work offers curricula leading to a master’s degree in social work (MSW), with concentrations in clinical and social policy and administrative practice, and a doctor of philosophy (PhD), along with several certification programs.

**Sport Management, Recreation Management and Physical Education**

The Department of Sport Management, Recreation Management and Physical Education offers master’s specialist’s and doctoral degree programs in physical education with specializations in teacher education and sport administration, and a master’s level program in recreation and leisure services administration.

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**Certificate Program and Interdisciplinary Specialization in HEALTH SERVICES ADMINISTRATION AND POLICY**

**College of Social Sciences and College of Business**

*Director: Allen W. Imershein*

The Interdisciplinary Specialization in Health Services Administration and Policy is organized to train managers, policymakers, and researchers to respond to, and help shape, the rapidly changing health care arena. The interdisciplinary specialization emphasizes areas of faculty interest and expertise in health services administration and policy. The faculty is from the following disciplines: business, economics, human sciences, public administration and policy, sociology, social work, and urban and regional planning. The program consists of three core courses and two electives. The three core courses, health policy and public administration, health institutions and social policy, and health care finance, provide students with the fundamental knowledge and skills required for future work within health care policy and administration. Specific degree programs may require or allow additional courses.

A certificate program in this area is also available. Consisting of the three core courses identified below, plus two electives, this program is designed to provide knowledge and skills required for present and continuing work in health services administration. Application to the certificate program is made to the director.

Degrees are granted through specific departments that participate in the program. Existing degree programs are described below along with the general course listings.

**Master of Public Administration (MPA)**

The five-course professional option that is required for the master of public administration can be fulfilled through the health services administration and policy specialization. This specialization is designed to prepare students for management roles in a public sector environment concerned with the delivery of health services. In addition to the three core courses, two electives should be selected from a list of health policy- or administration-related courses in business, economics, human sciences, urban and regional planning, social work, sociology, and public administration and policy, in consultation with the director of the interdisciplinary specialization and the MPA program director.

**Master of Business Administration (MBA)**

The five-course option in health services administration and policy can be selected by MBA students as an area of specialization. This option is designed to prepare students for business and management roles in an environment concerned with the delivery of health services. The option can be fit within the electives that are required in the two-year MBA program. Students in the one-year option would need to attend an additional semester to complete the option. In addition to the three core courses, two electives can be selected from a list of health policy- or administration-related courses in economics, human sciences, public administration and policy, social work, sociology, and urban and regional planning, in consultation with the director of the interdisciplinary specialization and the MBA program director.

**Required Courses for Both MBA and MPA Specializations**

**Note:** descriptions of the following courses can be found under the departmental listings.

- **PAD** 5846r Health Policy and Public Administration (3)
- **PAD** 5935r Seminar in Public Administration: Selected Topics [Health Care Finance] (1–3)
- **SYO** 5405 Health Institutions and Social Policy (3)

**Electives**

- **ACG** 5505r Government and Not-for-Profit Accounting and Auditing (3)
- **ECO** 5936r Special Topics [Health Economics] (1–3). (Prerequisite: ECO 4101.)
- **HSC** 5603 Models of Health Behavior (3)
- **PAD** 5327r Public Program Evaluation (3)
- **PAD** 5605r Administrative Law (3)
- **PAD** 5935r Seminar in Public Administration: Selected Topics [Contracting] (1–3)
- **SOW** 5603 Social Work in Health Settings (3)
- **SYA** 6933r (or PAD 5935r) Selected Topics in Sociology (3)
- **SYO** 5545 The Changing Workplace (3)
- **URP** 5521 Epidemiological Bases of Health Planning (3)
- **URP** 5522 Regulatory Aspects of Health Care (3)
- **URP** 5524 Resource Allocation in Health Policy and Programs (3)

*Additional electives for public administration only.*
**Department of HISTORY**

**COLLEGE OF ARTS AND SCIENCES**

Chair: Neil T. Jumonville; Associate Chair (Graduate Studies): Green; Associate Chair (Undergraduate Studies): Strait; Professors: Anderson, Betten, Gellatly, Howard, J. Jones, M. Jones, Jumonville, Oldson, Richardson, Singh, Wynot; Associate Professors: Friedman, Garretson, Grant, Gray, Green, Hadden, McMahon, Sinke, Stoltzfus, Strait; Assistant Professors: Childs, Creswell, Davis, Herrera, Koschinski; Professors Emeriti: Bartlett, Bryant, Conner, Howard, Keuchel, Moore, Richardson, Rogers, Rubanowice, Turner

In a concerted effort to accommodate the best interests of graduate students, the Department of History offers a variety of programs at the master of arts (MA) and doctor of philosophy (PhD) levels that lead toward a range of careers within the profession. The department offers strong graduate programs in selected areas of American, European, African-American, Middle Eastern, and Latin American history. In addition to the traditional MA degree that requires mastery of a major and a minor field and completion of a thesis, the department provides an MA in historical administration and public history. One member has been named Distinguished Teaching Professor. One member has been named Dr. Martin Luther King, Jr., Distinguished Scholar Award. One member has been named Robert O. Lawton Distinguished Professor of Historical Administration and Public History which lays the groundwork for entering historically oriented careers in fields such as archives, historic site identification and preservation, museum administration, information and records management, and careers in the private sector and governmental agencies.

The program in historical administration and public history (HAPH) prepares students to enter historically oriented careers in fields such as archives, historic site identification and preservation, museum administration, information and records management, and careers in the private sector and governmental agencies.

**Program Overview**

Students must complete a minimum of forty-nine (49) semester hours of graduate work, including eighteen (18) semester hours in the professional training courses listed below and a minimum of four (4) semester hours in an internship. In addition, students must take HIS 6059, Historical Methods, fulfill the language requirement, and write a professional paper related to the internship (or an acceptable thesis).

**Professional Training Courses for All HAPH Students**

To fulfill the professional training requirement, students must take the six courses listed below. There may be additional requirements depending upon the student’s specialty.

- HIS 5077 Oral History (4)
- HIS 5082 Archives Management (3)
- HIS 5083 Historic Sites Identification and Preservation (3)
- HIS 5084 Museum Management (3)
- HIS 5932 Graduate Tutorial in History (1)
- HIS 5935 Special Topics (4)

**HAPH as a Minor Field**

This program may be used as a minor field for the MA and PhD degrees in the following ways:

**Minimum Requirement**

- MA: nine (9) semester hours in HAPH courses: HIS 5082, 5083, 5084.
- PhD: ten (10) semester hours in HAPH courses: (HIS 5082, 5083, 5084, 5932) and four (4) credits in internship.

**Master’s Program in History**

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

For the MA degree, the student will complete a minimum of thirty (30) semester hours of graduate work, six (6) of which must be in HIS 5971R, Thesis. As part of the thirty (30) hours, the student must take two seminars or colloquia (one of which must be in the major field) and HIS 6059, Historical Methods. For details regarding major and minor field requirements, consult the department’s graduate handbook.

In addition, the student must fulfill the language requirement (reading knowledge of one foreign language), and write an acceptable thesis.

**Master’s Program in Historical Administration and Public History**

Director: Valerie Jean Conner; Associate Professor of History; Visiting Associate Professors: Clark, Golding, Matthews, Sellers, Young.

The program in historical administration and public history (HAPH) prepares students to enter historically oriented careers in fields such as archives, historic site identification and preservation, museum administration, information and records management, and careers in the private sector and governmental agencies.

**Institute on Napoleon and the French Revolution**

As part of the history department in the College of Arts and Sciences, was founded in 1990 by the Florida Board of Regents. As an interdepartmental and intercollege program, faculty from throughout the University offer courses. Support for the collections and Napoleonic Collection in the Strozier Library, which includes over 50,000 titles in the field, the institute is the largest and most active of such programs in the U.S. Over a dozen students from throughout the country are currently enrolled in the institute and over 75 doctoral and master’s students have graduated from the program.

The Institute on World War II and the Human Experience was created in 1997 to collect, preserve, and convey to classes the experiences of the wartime generation. Housing thousands of letters, diaries, photos, and interviews, The Florida State University history department’s WWII Archive is the largest non-federal depository of such memorabilia in the country. The average American citizen’s participation in all aspects of World War II (training, defense, production, combat, and discharge) are understood in the messages sent home to family and friends. In a remarkable fashion this documentary legacy of the early 1940’s on both the home front and the front line, illustrates the nation’s arming to defend itself as well as its broadening awareness of the world and its global responsibilities. The general public, students, and faculty are welcome at the institute’s archives reading room and may make use of this unique collection to deepen their knowledge of the social history of the United States.

**Admission Requirements**

The Department of History offers programs leading to the degrees of MA in history and PhD in history. Eighteen (18) semester hours of undergraduate work in history are required as a prerequisite for MA degree programs in history. The student must have a minimum of a 3.3 GPA as an upper-division undergraduate (and a minimum 3.65 on a master’s degree if applicable) and a minimum score of 1100 on the verbal and quantitative portions of the Graduate Record Examination (GRE). In addition, the student must fulfill the professional training courses listed below and a minimum of four (4) semester hours of an internship.

**Professional Training Courses**

- HIS 6059, Historical Methods. For details regarding the student must take two seminars or colloquia (one of which must be in the major field) and HIS 6059, Historical Methods. For details regarding the student must take two seminars or colloquia (one of which must be in the major field) and HIS 6059, Historical Methods. For details regarding the student must take two seminars or colloquia (one of which must be in the major field) and HIS 6059, Historical Methods. For details regarding the student must take two seminars or colloquia (one of which must be in the major field) and HIS 6059, Historical Methods. For details regarding the student must take two seminars or colloquia (one of which must be in the major field) and HIS 6059, Historical Methods.
from a significant range of thematic offerings. Upon the completion of this degree students might have studied the American “home front” during World War II, the Holocaust in Eastern Europe, the U.S. Civil War, and the more recent Middle Eastern conflicts. For additional details see the department’s graduate handbook.

**Doctoral Program in History**

The doctoral student will choose a major field and three minor fields in history, or a major field with two minor fields in history and an outside minor in an appropriate area, such as the humanities or the social sciences. The major field may be chosen from the following areas: United States to 1800; United States, 1800–1900; United States since 1900; or a topical United States major such as immigration history, African-American history, intellectual history, or southern history. For European majors, students may select from 18th-century Europe (to 1815), 19th-century Europe (1815–1914), 20th-century Europe (1914 to the present), British history, and modern Russia. An Asian history major is available with a concentration in India or the Middle East. Doctoral students who choose a minor field in Latin American or Middle Eastern history, a comparative program emphasizing the nineteenth and twentieth centuries and embracing the Ottoman, Russian, Hapsburg, Indian, and Chinese empires. Doctoral students may also major in Latin American history or history of the Atlantic World. Details in respect to these fields and available minor fields are set forth in the department’s graduate handbook.

Doctoral students are required to take HIS 6059 and HIS 6934; Teaching History at the College Level (HIS 6941) is strongly recommended. Doctoral students must also take five seminars or colloquia. In addition, the demonstration of reading proficiency in one foreign language, or of reading proficiency in one foreign language and an approved primary research skill is required.

**Definition of Prefixes**

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Meaning</th>
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</thead>
<tbody>
<tr>
<td>AFH</td>
<td>African History</td>
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<td>AMH</td>
<td>American History</td>
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<td>ASH</td>
<td>Asian History</td>
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<tr>
<td>CLA</td>
<td>Classical and Ancient Studies</td>
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<td>EUH</td>
<td>European History</td>
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<td>HIS</td>
<td>General History and Historiography</td>
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**Graduate Courses**

**African History**

**AMH 5508. Northern African History (4).** 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 5116. Colonial American History to 1763 (4).** A study and comparison of the founding and development of the English colonies in North America.

**AMH 5319. Revolutionary America, 1760-1788 (4).** Examine the political and economic history of British America from the end of the Seven Years War to the ratification of the United States Constitution. Special emphasis will be given to the role of the American Revolution and the problems associated with the establishment of the new nation. This course will examine the causes of the American Revolution, the war for independence, and the political and social consequences of the Revolution.

**AMH 5336. U.S. Intellectual History I: Beginning to 1880 (4).** An interdisciplinary study of American thought from the Puritans to the late 19th century, asking, among other questions, what made America different from Europe. Among the ideas examined will be Puritanism, the Revolutionary ideology, federalism, the American Enlightenment, romanticism, individualism, and manifest destiny.

**AMH 5517. United States Foreign Relations to 1900 (4).** Traces the political history of the United States from the seven-year war to the United States foreign policy, including the role of diplomacy, trade, and international relations, in the shaping of American foreign policy.

**AMH 5555. American Legal History I (4).** Surveys the history of American law from the earliest English settlements in North America to the mid-19th century. The course will trace the development of the American legal system, including the role of the Constitution and the courts in shaping American law. The course will also examine the role of legal scholars, legal theorists, and legal practitioners in the development of American law.

**AMH 5655. American Legal History II (4).** This course surveys the history of the U.S. Constitution and its interpretation from the 19th century to the present. The course will examine the role of the U.S. Supreme Court in shaping American law, including the role of legal scholars, legal theorists, and legal practitioners in the development of American law.
Classical History

Note: the following courses are offered through the Department of Classical Languages, Literature, and Civilization.

CLA 5438r. Studies in Greek History (3). Study of selected topics in Greek history in the archaic, classical, or Hellenistic periods. May be repeated to a maximum of six (6) semester hours.

CLA 5448r. Studies in Roman History (3). Critical study of topics as approved by the Roman section of the Classical Department. May be repeated to a maximum of six (6) semester hours.

CLA 5885. Roman Law (3). The detailed study of the principles and procedures of Roman law.

European History

EUI 5125. The Crusades (4). This course will provide a historical understanding of the material and spiritual bases 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 interrelationships of Christians (East and West) and the Muslim world in the period of the Crusades.

EUI 5127. Earlier Middle Ages (4). Provides a survey of European history from c. 750 to c. 1200, from the origins of the medieval world in the Roman, Christian, and Germanic past through the emergence of a distinctive European civilization to its first major period of expansion and accomplishment.

EUI 5128. Later Middle Ages (4). Provides a survey of European history from c. 1200 to c. 1450, from the height of medieval civilization in Europe through the crises of the late Middle Ages. Topics include the collapse of feudalism, the development of finance, and the growth of nation-states.

EUI 5146. The Renaissance (4). A study of the character of medieval Italy, the “problem” of the Renaissance, and a survey of economic, political, and cultural changes in Western Europe.

EUI 5147. The Reformation (4). An examination of the late Middle Ages, the Protestant and Catholic Reformations in Europe from 1517 to the Peace of Westphalia in 1648.

EUI 5238. Rise of Nationalism (4). Analyzes the European struggle toward democracy and nationalism from the collapse of the Napoleonic Empire to the establishment of the German Empire. It examines the development of liberalism, socialism, communism, etc.

EUI 5246. World War I: Europe, 1900-1918 (4). 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, and the impact of the major powers on the home front.

EUI 5249. The Holocaust in Historical Perspective (4). This course details the background and career of the Holocaust, focusing on the manner of “ological denial.” Special emphasis is given to the ideas of such racists as Theodoros Zambas and Jost von Salomon.

EUI 5258. Europe in the Cold War and Detente (4). Deals with the post-World War II era in Europe, tracing occurrences and changes in Europe east and west, the development of the major European states, and the efforts to arrive at detente in respect to East-West tensions.

EUI 5313. History of East Central Europe, 1815 to the Present (4). Examines the social, political, economic, and cultural development of the lands traditionally known as Poland, Hungary, Czechoslovakia, and the Baltic States from the Congress of Vienna to the present. Wherever possible, attempts will be made to present issues within a comparative framework.

EUI 5365. The Balkans Since 1700 (4). The course of Balkan history emphasizing the penetration of the Hapsburg and Russian empires, the decay of the Ottomans, and the emergence of the concept of “nationalism” as a tool of elites and groups.

EUI 5385. Europe in the Cold War and Detente (4). Deals with the post-World War II era in Europe, tracing occurrences and changes in Europe east and west, the development of the major European states, and the efforts to arrive at detente in respect to East-West tensions.

EUI 5389. The Great Depression in Historical Perspective (4). This course will cover European history in the period 1929-1939 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, and the impact of the major powers on the home front.

Latin American History

LAH 5349. History of Mexico (4). Covers the history of Mexico from the great Indian empires to the present, emphasizing the 19th and 20th centuries. Deals with the cultural and social history as well as political movements. Also treats Mexican historiography.

LAH 5475. History of the Caribbean (4). A survey of the history of the Latin American Caribbean. Special attention given to such topics as the Cuban Revolution and recent revolutionary movements in Latin America.

LAH 5609. History of Brazil (4). The history of Brazil from its colonial origins to the present. Special topics such as recent democratic and authoritarian political regimes and the role of the military are included.

LAH 5727. Race and Class in Colonial Latin America (4). A comprehensive examination of Latin America from 1492 to 1820, focusing on the economic and political reactions to colonial rule and the creation and growth of multi-ethnic groups and their solidification into classes.


Historical Administration

HIS 5082. Archives Management (3). The nature of archives; various types of records; arranging and processing archives; restoring and protecting records; archival institutions, records, and functions in historical societies.

HIS 5083. Historic Sites Identification and Preservation (3). The identification, preservation, and maintenance of historic sites; the role of historic preservation in the heritage and tourist industries.

HIS 5084. The Management of Historical Sites and Museums (3). The history and purposes of museums; problems and policies relating to the maintenance and operation of museums and other interpretive activities; public housing; budgetary procurement.

HIS 5085. Internship in Historical Management (1-5). An internship in a historical management setting, usually with participation in a historical society or museum.

Others

HIS 5077. Oral History (4). Exposes students to the use of oral history as a research technique and provides experience in conducting professionally acceptable oral history research, and collection.

HIS 5090r. Directed Individual Study (1-4, S/U grade only). May be repeated to a maximum of twelve (12) semester hours; however, only a maximum of four (4) semester hours apply to the master’s degree.

HIS 5091r. Supervised Research (1-5, S/U grade only). May be repeated to a maximum of five (5) semester hours; however, only a maximum of three (3) semester hours apply to the master’s degree.

HIS 5092r. Graduate Tutorial in History (1-12, S/U grade only). To be arranged with the instructor’s permission. Selected topics in history. A maximum enrollment of five (5) students in each tutorial. May be repeated for a maximum of twelve (12) semester hours.

HIS 5093r. Special Topics in History (4). This course offers specialized approaches to history. Topics will vary. This course may be repeated to a maximum of twelve (12) semester hours as topics vary.

HIS 5094r. Supervised Teaching (1-5, S/U grade only). May be repeated to a maximum of five (5) semester hours.

HIS 5097r. Thesis (1–6, S/U grade only). A minimum of six (6) semester hours of credit is required.

HIS 6055. Historical Methods/Public History (4). Offers an intensive introduction to the writing skills required of a public historian. Emphasis will be placed on the development of professional-level writing and research techniques in the areas of archival studies, historical preservation and museum management, and collection.

HIS 6065. Historical Methods (4). Offers a survey of the basic skills essential to the study and practice of history. Emphasis is placed on the practical aspects of classroom teaching and writing papers, research methods, and quantitative methodology.

HIS 6469. Historiography and Science (4). This course covers the major developments in the relationship of science within the history of science and reveals the full sweep of the study of science and society by examining studies of various scientific disciplines and time periods.

HIS 6500. History of Life Sciences (4). This course considers the development of life sciences from 1750 to the present. It introduces students to critical problems related to biology and society through the study of primary and secondary sources.

HIS 6909r. Directed Individual Study (1–4, S/U grade only). May be repeated to a maximum of twelve (12) semester hours.

HIS 6910r. Directed Individual Research (1–3, S/U grade only). May be repeated to a maximum of three (3) semester hours.

HIS 6924r. Special Topics in History (4). Offers (usually in a seminar or colloquium format) highly concentrated courses of a topical nature or examines specific segments of national or regional histories not covered in graduate courses or in depth in the fields of European, American, Asian, or Latin American history. May be repeated for a maximum of sixty-four (64) semester hours when topics and content change.

HIS 6941. Teaching History at the College Level (4). Graduate students only. Designed to familiarize graduate students with the practical aspects of classroom teaching and to provide some understanding of the philosophical and theoretical approaches to the teaching of history.

HIS 6953r. Directed Research (1-4, S/U grade only). A minimum of twenty-four (24) semester hours of credit is required.
Program in Humanities

College of Arts and Sciences

Director and Graduate Adviser: David Johnson, Associate Professor of English; Associate Director and Graduate Adviser: Darst, Professor of Modern Languages and Linguistics; Graduate Advisers: Crook, (English); Cloonan (Modern Languages and Linguistics), Coordinator of Undergraduate Advising: Reis; Graduate Faculty: Brewer (Music), Efimov (Modern Languages and Linguistics), Fleming (Modern Languages and Linguistics), Grindal (Anthropology), Kelsay (Religion), Laughlin (English), Levenson (Religion), Picart (English), Saladin (English), Sandon (Religion), Seaton (Music), Slaveva-Griffin (Classics), Standley (English), Weingarden (Art History)

Two master of arts programs are offered. One, offered in conjunction with the College of Education, is designed primarily for the student whose immediate professional objective is teaching in a two-year college. The other provides a graduate Liberal Studies degree program in the humanities and the arts. The doctoral program, leading to the doctor of philosophy degree in humanities, has been designed to offer qualified students a broad education combining offerings from the participating departments of Anthropology; Art History; Classical Languages, Literature, and Civilization; Communication; Dance; English; History; Modern Languages and Linguistics; Music; Philosophy; Religion; and the School of Theatre. This program provides an enlarged perspective assisting in an understanding of the significance of the specialized disciplines in the humanities area.

All graduate students are required to make an appointment with the director of the program to approve course work for the following term.

Requirements for the Interdepartmental Master’s Program in Humanities

Please review all college-wide requirements summarized in the “College of Arts and Sciences” chapter in this Graduate Bulletin.

The Junior College Instructors Program

On the master’s level, the humanities department offers a thirty-six (36) semester hour nonthesis program with the following requirements. For admission: 1) an undergraduate major in one of the humanities area departments; 2) a Graduate Record Examination (GRE) score of 1000 and a minimum grade point average of 3.0 or higher in all work attempted as an upper-division student working toward a baccalaureate degree; and 3) three letters of recommendation. For the degree: 1) nine (9) semester hours minimum in professional education courses—EDH 5054, 5305, and 5306; 2) nine (9) semester hours in HUM 5227, 5245, and 5253; 3) nine (9) semester hours minimum in the department of the undergraduate major; and 4) nine (9) semester hours in a cluster of EDH courses from at least two other departments in the humanities area, focusing on one cultural period. In addition, certification of competency in reading a foreign or classical language, a comprehensive examination, and an internship are required.

The Humanities and the Arts

On the master’s level, the humanities department offers a thirty-three (33) semester hour nonthesis program with the following requirements.

Admission

1) an undergraduate major in one of the humanities area departments; 2) a Graduate Record Examination (GRE) score of 1000 and a minimum grade point average of 3.0 or higher in all work attempted as an upper-division student working toward a baccalaureate degree; and 3) three (3) letters of recommendation.

Requirements

1) nine (9) semester hours in HUM 5227, 5245, and 5253; 2) twelve (12) semester hours of courses focusing on a specific cultural period or theme; and 3) twelve (12) semester hours of courses that must focus on analogous aspects of art history (ART); and methodological approach toward intellectual history, comparative literature, and the fine arts, and may be fulfilled by completing the HUM 5227, 5245, and 5253 sequence. Students who have already completed work that is equivalent to this sequence will take one that aims at a topical and methodological approach toward intellectual history, comparative literature, and the fine arts, and may be fulfilled by completing (with the approval of the program director), a sequence of nine hours of courses such as the following: HIS 5346; LIT 5066r; ARH 5795s; PHI 6808r; or MUH 5380; and other related courses.

Doctoral students are also required to select a total of three seminars designated HUM 6939r offered by the humanities program. With permission from the Program Director, a student may substitute one or more seminars in their departmental area. HIS 5346 or LIT 5066r may be substituted for one of the seminar courses.

Requirements for the Doctoral Program in Humanities

Please review all college-wide requirements summarized in the “College of Arts and Sciences” chapter in this Graduate Bulletin.

Normally students will have a master’s degree in one of the participating humanities area departments before admission to the doctoral program. Students with MA degrees in interdisciplinary humanities or fine arts may be admitted to the doctoral program by permission of the director with the understanding that they will complete, in one departmental area acceptable to the humanities program, the equivalent number of courses required for an MA degree in that department. Students with non-humanities MA degrees will complete the degree requirements as follows: 1) nine (9) semester hours in HUM 6939r or other appropriate courses as listed below. At least one of these seminars or courses must focus on literature, philosophy, or life; 2) at least one (1) seminar in the Humanities and the chair of the department. Students with non-humanities MA degrees will complete the degree requirements as follows: 1) nine (9) semester hours in HUM 6939r or other appropriate courses as listed below. At least one of these seminars or courses must focus on literature, philosophy, or life; 2) at least one (1) seminar in the Humanities and the chair of the department. Students with non-humanities MA degrees will complete the degree requirements as follows: 1) nine (9) semester hours in HUM 6939r or other appropriate courses as listed below. At least one of these seminars or courses must focus on literature, philosophy, or life; 2) at least one (1) seminar in the Humanities and the chair of the department. Students with non-humanities MA degrees will complete the degree requirements as follows: 1) nine (9) semester hours in HUM 6939r or other appropriate courses as listed below. At least one of these seminars or courses must focus on literature, philosophy, or life; 2) at least one (1) seminar in the Humanities and the chair of the department. Students with non-humanities MA degrees will complete the degree requirements as follows: 1) nine (9) semester hours in HUM 6939r or other appropriate courses as listed below. At least one of these seminars or courses must focus on literature, philosophy, or life; 2) at least one (1) seminar in the Humanities and the chair of the department. Students with non-humanities MA degrees will complete the degree requirements as follows: 1) nine (9) semester hours in HUM 6939r or other appropriate courses as listed below. At least one of these seminars or courses must focus on literature, philosophy, or life; 2) at least one (1) seminar in the Humanities and the chair of the department.
requirements. At least one of these seminars or courses must focus on literary analysis, criticism, history, or appreciation (LIT); at least one must focus on analogous aspects of art history (ART), and at least one must focus on analogous aspects of music (MUS). While it is not mandatory, HUM 6939r seminars are not offered one of the following courses may be selected:

**Literature:** ENG 5049r, Studies in Critical Theory; ENG 5138r, Studies in Film; LIT 5017r, Studies in Fiction; LIT 5038r, Studies in Poetry; LIT 5047r, Studies in Drama.

**Art History:** any graduate course in art history that is open to non-majors.

**Music:** MUH 5380, Music in the Humanities, or any graduate level music course that is open to non-majors may be taken.

In addition to the required humanities courses, a student will take approximately one half of the course work in the department of concentration (including the work taken at the MA level), and the remainder in a carefully selected cluster of courses offered by participating departments in a major chronological period and a cultural theme or in a major and minor chronological period. The major chronological period will require eighteen (18) semester hours of work, and the minor or theme will require twelve (12) semester hours of work.

After having finished thirty (30) semester hours of graduate work or being awarded the master’s degree, the doctoral student must be continuously enrolled at The Florida State University Tallahassee campus for a minimum of twenty-four (24) graduate semester hours in any period of twelve (12) consecutive months. The residency requirement can be completed with either course work or dissertation hours.

In most instances students should assume that two years of full-time residence beyond the master’s degree will be required to fulfill course work requirements. Up to twenty-four (24) semester hours of dissertation hours are required. A reading knowledge of two modern or classical languages or, at the discretion of the student’s supervisory committee, a high level of competence in one modern or classical language is required.

The doctoral program, leading to the doctor of philosophy degree in humanities, has been designed to offer qualified students a broad program combining offerings from the participating departments of Art History; Classical Languages, Literature, and Civilization; Communication; Dance; English; History; Modern Languages and Linguistics; Philosophy; Religion; and the schools of Music and Theatre. It offers an enlarged perspective which assists in the understanding of the specialized disciplines in the humanities area.

**Definition of Prefixes**

**HIS** — General History and Historiography

**MUH** — Humanities

**LIT** — Literature

**Graduate Courses**

**HIS 5346. The Study of Intellectual History (3).** Methodologies implicit in the study of intellectual history.

**HUM 5227. The Humanistic Tradition: Greek and Roman (3).** Studies in the thought, values, and arts of Greek and Roman culture.

**HUM 5245. The Humanistic Tradition: Medieval, Renaissance, and Baroque (3).** Studies in the thought, values, and arts of Western culture from the early Christian era through the Renaissance and baroque periods.

**HUM 5263. The Humanistic Tradition: The Modern World (3).** Studies in the thought, values, and arts of modern Western culture.

**HUM 5990r. Directed Individual Study (3).** (S/U grade only.) May be repeated to a maximum of three (3) semester hours.

**HUM 5915c. Supervised Research (1– 5).** (S/U grade only.) A maximum of three (3) semester hours may be applied to a master’s degree. May be repeated to a maximum of five (5) semester hours.

**HUM 5940h. Supervised Teaching (0–5).** (S/U grade only.) A maximum of three (3) semester hours may be applied to a master’s degree. May be repeated to a maximum of five (5) semester hours.

**HUM 6904c. Readings for Examination (1–12).** (S/U grade only.) Designated for graduate students who have completed, or have virtually completed, all of their required course work and are preparing for their master’s comprehensive examinations or their preliminary doctoral examinations. May be repeated to a maximum of twelve (12) semester hours.

**HUM 6939c. Seminar Topics (3).** May be repeated to a maximum of fifteen (15) semester hours.

**HUM 6933c. Dissertation (1–12).** (S/U grade only.) May be repeated to a maximum of fifteen (15) semester hours.

**HUM 8933c. Dissertation (1–12).** (S/U grade only.) May be repeated to a maximum of fifteen (15) semester hours.

**HUM 8966c. Master’s Comprehensive Examination (0).** (P/F grade only.) May be repeated to a maximum of nine (9) semester hours.

**HUM 8985c. Dissertation Defense (0).** (P/F grade only.) May be repeated to a maximum of nine (9) semester hours.

**LIT 5066r. Study of Comparative Literature (3).** Methodologies implicit in the study of comparative literature (including the relationship of literature to the other arts). Topics vary from term to term. May be repeated to a maximum of six (6) semester hours.

**INDUSTRIAL/APPLIED PSYCHOLOGY**

See Psychology

**Department of INDUSTRIAL ENGINEERING**

**FAMU—FSU COLLEGE OF ENGINEERING**

**Chair:** Ben Wang; **Professors:** Arownyi, Braswell, Wang; **Associate Professors:** Pignatello, Silvonsongh, Zeng; **Assistant Professor:** Okoli; **Visiting Associate Professors:** Liang, Owusu, Parker; **Instructor:** Cutwright; **Adjunct Professor:** Moshir

The Department of Industrial Engineering offers two graduate degree programs: master of science (MS) and doctor of philosophy (PhD). Industrial Engineering is a broad discipline that encompasses education and basic/ applied research concerning the design, improvement, and installation of integrated systems of people, material, information, equipment and energy. Graduate instruction and research are broadly grouped into three categories: manufacturing engineering, quality engineering, and industrial systems. Current research interests include integrated products, manufacturing processes, and systems design; CAD/CAM; robotics; artificial intelligence in engineering; precision machining and metrology; rapid prototyping; composite material processing; quality control; quality engineering; manufacturing systems analysis; set-covering theory; simulation environments; supply chain management; and engineering management.

**Research Facilities**

The Department of Industrial Engineering provides an excellent environment for instruction and research. The department has seven laboratories: Advanced Material Processing, Applied Robotics and Ergonomics, Automated Systems, Composite Manufacturing and Testing, Computer Integrated Manufacturing, Precision Manufacturing, and Quality Engineering. Each lab is equipped with state-of-the-art research and instructional equipment. For example, the manufacturing lab includes full-size and tabletop robots and CNC machines, as well as software for data acquisition, simulation, and process monitoring and control.

Students have access to computer facilities, which include SUN workstations and servers, IBM-compatible Pentium-based PC’s and high performance engineering workstations. The department offers access to a wide variety of software, including CAD/CAM simulation, optimization and database management programs. Software development environments supporting research activities are maintained. In addition, the College of Engineering computing facilities support facilities for SUN Ultra Sparc Systems and LAN Manager environment.

The Florida State University Computing Center operates a 4-processor CRAY YMP-4 and other high performance computing systems. FAMU participates in an Army-funded High Performance Computing Research Consortium and has access to the Minnesota supercomputer, through which students have direct access to high performance supercomputers located on the University of Minnesota campus. Several engineering faculty members have a joint appointment with the National High Magnetic Field Lab.

**Master of Science**

The department offers a variety of master of science in industrial engineering (MSIE) program options to accommodate students’ needs and specializations. Students may pursue a traditional MSIE, an MSIE with specialization in global manufacturing leadership, or an MSIE with specialization in global manufacturing leadership. For the traditional MSIE program, students are allowed to choose a thesis or non-thesis option. However, the specialization in engineering management and the specialization in global manufacturing leadership do not require a thesis. The Industrial Engineering Graduate Handbook, which is available from the department, provides a complete description of all programs and requirements.

**Admissions**

Candidates for admission to graduate study in industrial engineering must meet university and departmental criteria. In some cases, students may be admitted on a provisional basis pending successful completion of prerequisite work. In all matters concerning admission, decisions made by the departmental graduate committee are final. Students who do not have a bachelor’s degree in industrial engineering are required to complete the following prerequisite courses before undertaking graduate study.
Admissions

Applicants must meet the following minimum requirements:

1. Have a baccalaureate or master's degree in industrial engineering (or related field) from an accredited college or university, with a grade point average (GPA) of at least 3.0 on a 4.0 scale on all upper-division undergraduate work, and at least 3.4 GPA on master's degree work;

2. Be in good standing at the institution of higher learning last attended;

3. Have a minimum combined score of 1100 on the verbal and quantitative portions of the Graduate Record Examination (GRE);

4. Have a minimum score of 600 on the TOEFL (international students only);

5. Three letters of recommendation, addressed to the Director of Graduate Studies, assessing the applicant's potential to do graduate work; and

6. A statement of professional goals.

Core Courses for PhD Students

All PhD students are required to take the following courses as soon as possible after their admission to the PhD program: STA 5106, Computational Methods in Statistics I; STA 5107, Computational Methods in Statistics II; STA 5325, Mathematical Statistics; ESI 5408, Applied Optimization; ESI 5247, Engineering Experiments; ESI 5525, Modeling and Analysis of Manufacturing and Industrial Systems.

Preliminary Examination

Following completion of a major portion of the course work as defined in the degree plan, and upon certification of the doctoral supervisory committee that the student has 1) maintained a minimum 3.4 GPA and 2) progressed sufficiently in the study of industrial engineering and its research tools to begin independent research in the area of the proposed dissertation, the student is ready to take the preliminary examination. This examination normally takes the form of a dissertation proposal.

The purpose of the preliminary examination is to test the adequacy of a student’s background related to the student’s area of concentration, and to determine if the student is adequately prepared to formulate and undertake acceptable dissertation research. The procedures are available from the department.

Dissertation

After completion of the preliminary examination, the student is admitted to formal candidacy for the PhD. A doctoral dissertation then must be completed on a topic approved by the candidate's doctoral supervisory committee. To be acceptable, it must be an achievement in which the student has earned a master’s degree in the closely related field of concentration. Of the remaining required hours, twenty-four (24) must be letter-graded course work combined with a minimum of twenty-four (24) additional hours of dissertation research. The course work beyond the master’s consists of: 1) eighteen (18) semester hours of breadth-requirement core courses, and 2) six (6) or more semester hours of depth-requirement courses, as determined by the student’s doctoral supervisory committee. Residency and time-for-completion requirements are determined by the student’s university of enrollment.

Admission Requirements for Traditional MSIE

• A BS in industrial engineering (or a related field) from an accredited college or university, with a GPA of at least 3.0 on all upper-division work;

• Good standing in the institution of higher learning last attended;

• A minimum combined score of 1000 on the verbal and quantitative portions of the GRE;

• A minimum score of 580 on the TOEFL (international students only);

• Three letters of recommendation, addressed to the Director of Graduate Studies, assessing the applicant’s potential to do graduate work; and

• A statement of professional goals.

Admission Requirements for MSIE with Specialization in Engineering Management

Requirements for admission to this program are identical to the MSIE admission requirements, except that applicants’ BS degree can be in engineering, computer science, mathematics, physics, or a related area as determined by the Director of Graduate Studies.

Degree Requirements

Thesis Option

Each MSIE student who intends to complete a thesis is required to take a minimum of thirty (30) semester hours (twenty-four [24] semester hours of course work and six (6) semester hours of thesis). At least eighteen (18) semester hours of the course work hours must be taken in the industrial engineering department.

When filing a degree plan, students must specify one of the department’s areas of concentration as their major: manufacturing engineering, quality engineering, or industrial systems. There are two sets of courses under the traditional MSIE program: core course, specialization industrial engineering courses and electives.

Core Courses. Every student with the thesis option must take the following courses: ESI 5408, Applied Optimization; ESI 5247, Engineering Experiments; ESI 5525, Modeling and Analysis of Manufacturing and Industrial Systems; and EIN 5936, Graduate Seminar.

Specialization Courses. These courses are used in defining minimum requirements for each specialization area. Each student is required to take at least three from those courses listed in his or her chosen area of specialization. Substitutions may be made with the approval of the student’s advisory committee and the Director of Graduate Studies.

Electives. Elective courses provide program variation for students. An industrial engineering graduate course may be selected as an elective course. With the consent of the advisory committee, the student may take courses from other engineering departments, or other academic schools or colleges of the two universities.

Non-Thesis Option

Students are required to complete a minimum of thirty-three (33) semester hours of course work at the graduate level, at least twenty-four (24) of which must be taken in the industrial engineering department. The following are the core courses for the non-thesis option:

EIN 5412 Computer-aided Manufacturing (3)
EIN 5936 Graduate Seminar (0)
ESI 5247 Engineering Experiments (3)
ESI 5408 Applied Optimization (3)
ESI 5417 Engineering Data Analysis (3)
ESI 5451 Project Analysis and Design (3)
ESI 5525 Modeling and Analysis of Manufacturing and Industrial Systems (3)

[Choose one]
ESI 5154 Statistical Process Control (3)
or
ESI 5228 Introduction to ISO 9000 (3)

Specialization in Engineering Management

Students are expected to complete thirty-three (33) semester hours of course work, and will not complete a thesis. Students should contact the department to learn more about specific course requirements for this program.

Doctor of Philosophy

The PhD in industrial engineering is designed for students and professionals who wish to pursue academic careers or to achieve advanced standing in the field. The general requirement is a minimum of seventy-two (72) semester hours of work beyond the baccalaureate degree, excluding any credits earned for a master’s degree thesis, or a minimum of forty-eight (48) semester hours beyond the master’s degree.

Typically, twenty-four (24) of the seventy-two (72) semester hours will have been satisfied by a student who has earned a master’s degree in industrial engineering, or a closely related field. Of the remaining required hours, twenty-four (24) must be letter-graded course work combined with a minimum of twenty-four (24) additional hours of dissertation research. The course work beyond the master’s consists of: 1) eighteen (18) semester hours of breadth-requirement core courses, and 2) six (6) or more semester hours of depth-requirement courses, as determined by the student’s doctoral supervisory committee. Residency and time-for-completion requirements are determined by the student’s university of enrollment.

Admissions

Applicants must meet the following minimum requirements:

1. Have a baccalaureate or master’s degree in industrial engineering (or related field) from an accredited college or university, with a grade point average (GPA) of at least 3.0 on a 4.0 scale on all upper-division undergraduate work, and at least 3.4 GPA on master’s degree work;

2. Be in good standing at the institution of higher learning last attended;

3. Have a minimum combined score of 1100 on the verbal and quantitative portions of the Graduate Record Examination (GRE);

4. Have a minimum score of 600 on the TOEFL (international students only);

5. Three letters of recommendation, addressed to the Director of Graduate Studies, assessing the applicant’s potential to do graduate work; and

6. A statement of professional goals.

Core Courses for PhD Students

All PhD students are required to take the following courses as soon as possible after their admission to the PhD program: STA 5106, Computational Methods in Statistics I; STA 5107, Computational Methods in Statistics II; STA 5325, Mathematical Statistics; ESI 5408, Applied Optimization; ESI 5247, Engineering Experiments; ESI 5525, Modeling and Analysis of Manufacturing and Industrial Systems.

Preliminary Examination

Following completion of a major portion of the course work as defined in the degree plan, and upon certification of the doctoral supervisory committee that the student has 1) maintained a minimum 3.4 GPA and 2) progressed sufficiently in the study of industrial engineering and its research tools to begin independent research in the area of the proposed dissertation, the student is ready to take the preliminary examination. This examination normally takes the form of a dissertation proposal.

The purpose of the preliminary examination is to test the adequacy of a student’s background related to the student’s area of concentration, and to determine if the student is adequately prepared to formulate and undertake acceptable dissertation research. The procedures are available from the department.

Dissertation

After completion of the preliminary examination, the student is admitted to formal candidacy for the PhD. A doctoral dissertation then must be completed on a topic approved by the candidate’s doctoral supervisory committee. To be acceptable, it must be an achievement in which the student has earned a master’s degree in the closely related field of concentration. Of the remaining required hours, twenty-four (24) must be letter-graded course work combined with a minimum of twenty-four (24) additional hours of dissertation research. The course work beyond the master’s consists of: 1) eighteen (18) semester hours of breadth-requirement core courses, and 2) six (6) or more semester hours of depth-requirement courses, as determined by the student’s doctoral supervisory committee. Residency and time-for-completion requirements are determined by the student’s university of enrollment.
Definition of Prefixes

EGN — Engineering: General
EIN — Industrial Engineering
EMA — Materials Engineering
ESI — Industrial/Systems Engineering

Graduate Courses

EIN 514C. Computing Topics in Industrial Engineering (3). Prerequisite: COP 3321 or CGS 2402. State-of-the-art computing techniques for industrial engineers. Integration of structured programming, database management systems, mathematical analysis techniques, GUI interface languages and Internet networking principles. Design, development, debugging, and management of complex computer-based projects.

EIN 5245. Human Physical Capabilities (3). Prerequisite: EIN 4243C. An examination of the biomechanical and physiologic characteristics of people related to work and work environments.

EIN 5322. Engineering Management (3). Prerequisite: EIN 5353. Course in modeling existing and future organizations, with emphasis on organizations for the 21st century. Special consideration is given to flat matrix models.

EIN 5336. Production Control (3). Prerequisite: ESI 5417. Introduces basic concepts and fundamentals of both production and operations analysis and planning and control. Topics include production planning, inventory control, materials requirements planning, operations scheduling, and capacity management and case studies.

EIN 5335. Managing Industrial/Systems Economic Analysis (3). Prerequisites: EGN 3443; MAP 3305. This course includes feasibility science, mathematics and engineering focused on the engineering economic analysis of design and system alternatives for high technology operations.


EIN 5398. Manufacturing Materials Processing (3). Prerequisite: EIN 5392. An examination of the physical behavior of materials in the processing and forming processes, including applications to microelectronic and similar structures. Industrial byproduct processing. Automation issues. Case studies and design exercises.

EIN 5399. Concurrent Engineering (3). Prerequisite: Graduate or senior standing with permission of instructor. Concurrent product and process design. Product life cycle attributes. Design for manufacturing. Quality function deployment. Concurrent engineering project management topics.


EIN 5413. Computer Aided Process Planning (3). Prerequisites: CGS 3460; EGN 3443. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.


ESI 5434. Advanced Computer Numerical Control (3). A study of the use of computer programming concepts in the design and control of CNC machines. Topics include geometry, toolpaths, and CNC programming.

EIN 5451. Production and Operations Management (3). Prerequisite: EIN 3392. Inventory and operations management and control. Topics include production planning, inventory control, materials requirements planning, operations scheduling, and capacity management and case studies.

EIN 5458. Optimization on Networks (3). Prerequisite: EIN 5428. Review of the role of network flows in industry. Applications of network optimization techniques to circuit design, transportation, and communication network design.

ESI 5524. Advanced Simulation Applications (3). Prerequisite: ESI 4525 or ESI 5524. Advanced Simulation Applications is a course that covers the use of simulation techniques in complex systems, including manufacturing systems, real-time scheduling, high-speed high-volume production, modern manufacturing techniques, and other areas of application.

ESI 5525. Applications of Knowledge Engineering (3). Prerequisites: EIN 4333, ESI 5423, 5408, 5524. Modeling and analysis of system flows, system behavior, and system behavior modeling, and combined discrete and continuous simulation.

ESI 5526. Myocardial and Systemal Engineering (3). Prerequisite: ESI 4341. Myocardial and Systemal Engineering is a course that covers the role of process planning and computer-aided process planning in the design and control of manufacturing systems.

ESI 5536. Computer-Aided Process Planning (3). Prerequisite: EIN 5392. Computer-Aided Process Planning is a course that covers the development and design of computer-aided process planning systems. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.

ESI 5538. Manufacturing Materials Processing (3). Prerequisite: EIN 5392. An examination of the physical behavior of materials in the processing and forming processes, including applications to microelectronic and similar structures. Industrial byproduct processing. Automation issues. Case studies and design exercises.

ESI 5539. Concurrent Engineering (3). Prerequisite: Graduate or senior standing with permission of instructor. Concurrent product and process design. Product life cycle attributes. Design for manufacturing. Quality function deployment. Concurrent engineering project management topics.

ESI 5609. Advanced Computer Numerical Control and Application (3). Prerequisites: EIN 5392, 5398, 5408. Theory and applications of advanced numerical control for machining centers, turning centers, and other manufacturing processes. Topics include advanced programming techniques, including the use of specialized software, and the use of advanced software for manufacturing processes.

ESI 5612. Global Manufacturing Strategy (3). Prerequisites: EIN 5399, 5408. Manufacturing Strategy and Applications is a course that covers the role of process planning and computer-aided process planning in the design and control of manufacturing systems. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.

ESI 5614. Tolerancing and Metrology for Precision Manufacturing (3). Prerequisites: EIN 5398, 5408. Tolerancing and Metrology for Precision Manufacturing is a course that covers the role of process planning and computer-aided process planning in the design and control of manufacturing systems. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.

ESI 5628. Advanced Methods of Statistical Process Control (3). Prerequisite: EIN 5424. Advanced Methods of Statistical Process Control is a course that covers the role of process planning and computer-aided process planning in the design and control of manufacturing systems. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.

ESI 5635. Modeling and Analysis of Manufacturing and Industrial Systems (3). Prerequisites: EIN 4333, ESI 5423, 5408, 5524. Modeling and Analysis of Manufacturing and Industrial Systems is a course that covers the role of process planning and computer-aided process planning in the design and control of manufacturing systems. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.

ESI 5656. Manufacturing Systems Analysis (3). Prerequisites: EIN 5524, 5528. Manufacturing Systems Analysis is a course that covers the role of process planning and computer-aided process planning in the design and control of manufacturing systems. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.

ESI 5669. Dissertation (3–24). (S/U grade only.) Prerequisite: Doctoral candidate standing. Mandatory class for all Ph.D. seeking students. May be repeated to a maximum of 12 semester hours.

ESI 5980. Preliminary Doctoral Examination (0). Prerequisite: EIN 5477. Preliminary Doctoral Examination is a course that covers the role of process planning and computer-aided process planning in the design and control of manufacturing systems. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.

ESI 5985. Dissertation Defense (0). (P/F grade only.) Prerequisite: Doctoral candidate standing.

ESI 6408. Advanced Topics in Optimization (1–9). Prerequisite: ESI 5408. Advanced Topics in Optimization is a course that covers the role of process planning and computer-aided process planning in the design and control of manufacturing systems. Topics include process planning, process control, and computer-aided process planning (CAPP), computer-aided process planning (CAPPS), preparation of a workpiece for manufacturing with a company; and life-cycle analysis for product and process design.

ESI 6609. Advanced Computer Numerical Control and Application (3). Prerequisites: EIN 5392, 5398, 5408. Theory and applications of advanced numerical control for machining centers, turning centers, and other manufacturing processes. Topics include advanced programming techniques, including the use of specialized software, and the use of advanced software for manufacturing processes.
An introduction to basic and applied research in information studies, the course assumes no background in research methods of statistics. It provides an overview of the methods information professionals use to evaluate empirical phenomena for the enhancement of information use and service delivery.

LIS 5275. Usability Analysis (3). Design, execution, and reporting of tests for the usability of information products and services. This includes cost justifying assessments and the human cognition concepts required for information processing.

LIS 5313. Design and Production of Media Resources (3). Prerequisite: LIS 4001 or LIS 4301, or equivalent. Techniques for designing, producing, and evaluating media resources which meet specific instructional needs.

LIS 5316. Information Graphics (3). The theory and use of the graphic presentation of sound and text within both print and electronic forms. Prerequisites: 3 credits of the course. Includes critical evaluation, semiotics and cognitive theory.

LIS 5350. Design and Development of Computer Interfaces for Retrieval Systems (3). Development of an information retrieval system using the principles and concepts of modern programming languages. Introduces the concepts and techniques of computer programming, focusing on data processing, file operations, and retrieval techniques as applied to an information studies environment.

LIS 5362. Design and Production of Network Multimedia (3). Examines the theory, concepts and techniques for designing, producing, and evaluating network multimedia resources to meet specific instructional needs.

LIS 5364. Web Site Development and Administration (3). Prerequisite: LIS 5362. Issues and techniques related to the planning, production, and maintenance of large and wide Web Sites, including information design, hardware and software, and cut-and-running development tools. Special emphasis on the practical applications of what is learned in the course. Students gain hands-on experience in Web application production, including: PERL, CGI, JavaScript, server authentication techniques, synchronized multimedia, and hypermedia construction.

LIS 5408. Management of Information Organizations (3). Prerequisite: LIS 5411. Designed to develop a concept of information management. Aims at integrating fundamental management concepts, principles, policies, theories and practices into an effective, personal management process that relates to information organizations of the 21st century. Students acquire strategies for developing cohesive, productive management teams through experiential learning.

LIS 5411. Media Information Policy (3). Examines selected fundamental public policy questions relating to information use, access, and dissemination, with special attention to how these strategies involve value conflicts among information ownership rights, personal privacy rights, and public access rights to information. It focuses on information organizational, state, and federal policies.

LIS 5413. Seminar in Information Policy (3). An opportunity for students to focus on both the theoretical and practical aspects to the nature of the production, dissemination, recording, and ownership of information. The economic, political, and social aspects of policy analysis will be introduced and applied to specific information policy issues.

LIS 5415. Socio-Political Process in Information Studies (3). Analysis of the position of the library within the legal and societal power structure, with consideration of alternatives for effecting desired changes. An understanding of the librarian's role in the political process at the local, state and federal levels.

LIS 5416. Introduction to Legal Informatics (3). Prerequisite: LIS 5300. Designed to introduce the student to the role of information technology in the creation, management, and retrieval of legal information in the legal work environment, such as the courts. This course examines the role of information technology in legal education and legal discourse. It introduces the student to legal information systems as a vehicle for analyzing the detailed structure of legal information database retrieval systems such as LEXIS and Westlaw, as well as other storage and automatic retrieval systems and services.

LIS 5417. Introduction to Legal Resources (3). Prerequisite: LIS 5603 or permission of instructor. This course provides an introduction to the legal research, and access to legal information.

LIS 5418. Introduction to Medical Informatics (3). Prerequisite: LIS 5300. Designed to introduce the student to the role of information technology (HIT) and how it is used for problem solving and decision making in healthcare.

LIS 5448. Introduction to Data Networks for Information Professionals (3). An introductory course in the use of networks and telecommunications to provide information. It covers theoretical, conceptual, social, and technical issues, as well as management issues of modern data networks.

LIS 5487. Information Systems Management (3). An introduction to the role of information systems in organizations and how this relates to organizational objectives and structures. Covers the basics of management and information as they apply to the operation of the information center.

LIS 5489. Network Administration (3). Prerequisite: LIS 5484. Introduces students to the design, operation, and management of networked systems, including local area networks (LANs) to the Internet. Includes communications concepts, technical and application issues and focuses on managing a networked environment.

LIS 5511. Management of Information Collections (3). The principles of collection development and intellectual property. The role of intellectual property in the management of digital collections.

LIS 5512. School Collection Development and Management (3). Introduces the student to the principles, policies, and applications of collaborative school collection development and management. Concepts include the national, state, local, and school standards that affect a school media specialist selection, evaluation, access to, and maintenance of the instructional materials.


LIS 5524. Instructional Role of the Information Professional (3). Prerequisite: LIS 5300. The instructional roles and responsibilities of the information professional and methods of participating effectively in curricular planning, implementation, and evaluation.


LIS 5566. Multicultural Literature and Information Resources for Children and Young Adults (3). Course material provides students with an overview of the user's perspective in the free exchange of information within and among inhabitants of countries worldwide. The analysis unit is a specific country, compared against others chosen from along the spectrum of differences.

LIS 5576. Information Needs of Adults (3). Study of media for young adults in relation to their characteristics, needs, interests and abilities. Evaluation and use of materials.

LIS 5577. Information Needs of Adults (3). Course material provides students with an overview of the user's perspective in the free exchange of information within and among inhabitants of countries worldwide. The analysis unit is a specific country, compared against others chosen from along the spectrum of differences.

LIS 5587. Information Management (3). Designed to develop a conceptual, theoretical, and methodological understanding of the role of information management. Includes descriptive cataloging, subject analysis and classification, and the development of a theoretical framework for organizing systems and to other information objects.

LIS 5590. Museum Informatics (3). Designed to develop a conceptual, theoretical, and methodological understanding of the role of information management. Includes descriptive cataloging, subject analysis and classification, and the development of a theoretical framework for organizing systems and to other information objects.

LIS 5605. Introduction to Information Services (3). Introduction to reference work using both print and online sources. Also addresses the relationships of reference work to other information services in libraries and other information-providing agencies.

LIS 5703. Information Organization (3). Establishes the theoretical and theoretical foundation for organizing and retrieving information, including the study of systems, their objectives and structures, formats, standards, and vocabularies; and the relationship of the system to the environment and the community, and school contexts that affect a media specialist’s selection, evaluation, access to, and maintenance of the instructional materials.


LIS 5737. Subject Access (3). Prerequisite: LIS 5703. Practical approach to cataloging and classification, including: description of information and descriptive classification systems. Also covers descriptive classification, indexing, database organization and design.

LIS 5738. Subject Access (3). Prerequisite: LIS 5703. Practical approach to cataloging and classification, including: description of information and descriptive classification systems. Also covers descriptive classification, indexing, database organization and design.
of records. Emphasis on the importance of managing and controlling records from the time of their creation until their vital disposition.

LIS 5782. Database Management Systems (3). Examines the basic principles, elements and concepts of design, implementation and utilization of database management systems. Within database management systems, treats various data models and several database models. Also considers the administration and tasks associated in the database management environment.

LIS 5909r. Directed Individual Study (1–3). (SU grade only.) Guided studies for individual professional and subject needs. May be repeated to a maximum of six (6) semester hours.

LIS 5916r. Issues in Information Studies (1–3). Consideration of selected topics and issues in information studies not included elsewhere in the curriculum. Credit is, and enrollment is determined by the instructor. Different sections may be taken in the same semester. May be repeated to a maximum of twelve (12) semester hours as content varies.

LIS 5945r. Internship (1–12). (SU grade only.) An opportunity to learn how library and/or information studies principles and techniques are applied in a professional setting. A minimum of forty-five (45) hours on the job per semester hour earned is required. May be repeated to a maximum of twelve (12) semester hours with permission of faculty supervisor.

LIS 5971r. Thesis (3–6). (SU grade only.) May be repeated to a maximum of six (6) semester hours. Requires the completion of a thesis and the successful defense of the thesis. May be repeated for a maximum of six (6) semester hours.

LIS 6285. Information Behavior (3). Prepares doctoral students to do research focusing on an aspect of information behavior through the examination of the art of discovering issues in Information Behavior. The seminar will introduce a range of techniques applied to the analysis of information behavior, with a focus on ethnographic methodologies.

LIS 6269. Seminar in Information Science (3). Developments in information science and technology including content and metasearch engines, multimedia and hypermedia information systems, and telecommunication networks. Studies research methodologies in these areas.

LIS 6278. Issues in Theory Development (3–5). Students will develop an understanding of the scientific approach to the design of social sciences. Explores the factors associated with theory construction; gain exposure to research and writings in the area of theory development; utilize concepts, case studies, and methodologies of ways to critique theories; analyze the progression of ideas through the accomplishments of a prominent theorist; engage in the exploration of other theories and critiques through the creation of a theory of the student’s choice.

LIS 6279r. Research in Information Studies (3). Examines various topics, including data collection, analysis, and interpretation, as well as preparation of designs for conducting individual research in information studies. May be repeated to a maximum of six (6) semester hours.

LIS 6289. Seminar in Education for Information Studies (3). Within the framework of University and professional education, explores development of the information structures, and issues related to education for information issues. Includes curricular content and design, faculty, students and finance.

LIS 6662. Seminar in Information Policy (3). Identifies/analyzes selected issues related to government information policies, and considers policy alternatives to better access state/federal information. Examines research methodologies to investigate information policies.

LIS 6759. Seminar in Intellectual Access (3). A theoretical examination of issues in intellectual access. Possible topics include (but are not limited to) the relationship between the structure of knowledge and the structure of information; knowledge structures for digital libraries; the social construction of information; and the impact of economic classification structures on access to information.

LIS 6909r. Directed Individual Study (1–8). (SU grade only.) Prerequisite: LIS 6279. This course provides students with experience in conducting research under the guidance of a faculty member. The student participates in the supervising faculty member’s research program and can be involved in theory building, literature reviews, research design, data collection, data analysis and report writing.

Graduate Courses Foundation Course

The foundation is intended as preparation for master’s work and will not be counted toward the requirements for the master’s degree. Alternate or equivalent course work may be assigned on an individual basis to satisfy this requirement. The concentration for this course is a Foundation course. Under this course students without an undergraduate degree in interior design study the elements and principles of design, color theory, space planning, and technical skills. Credits do not apply to minimum degree requirements.

Other Courses

IND 5105r. History of Interiors Seminar I (3). Advanced study of history of interiors, furnishings, and architecture from antiquity through the Renaissance. May be repeated to a maximum of six (6) semester hours. IND 5135r. History of Interiors Seminar II (3). Pre-requisite: IND 5105r. Advanced study of history of interiors, furnishings, and architecture of the 17th and 18th centuries. May be repeated to a maximum of six (6) semester hours. IND 5165r. History of Interiors Seminar III (3). Pre-requisite: IND 5105r, 5135r. Advanced study of the history of interiors, furnishings, and architecture of the contemporary period from the 19th century to the present. May be repeated to a maximum of six (6) semester hours.

IND 5175. History of Designers I (2–4). Advanced study of historical period design. May be repeated to a maximum of forty (40) semester hours. IND 5195r. Advanced Study of the History of Designers II (4). Prerequisites: IND 5175, 5195r. May be repeated to a maximum of forty (40) semester hours. IND 5316r. Design Graphics II (1–4). Advanced studio in watercolor or other graphic techniques used in interior delineation. (Studio.) May be repeated to a maximum of eight (8) semester hours.

Definition of Prefix

IND - Interior Design
related interests in any of the 10 participating departments and school. (Each student’s supervisory committee is also made up of faculty from the participating departments and school.) These faculty members may share an interest in a particular geographic area, for example, or in a topical specialty such as political and economic development or national security. Applicants can compete for University and college fellowships, as well as the program’s own graduate assistantships.

London Summer Program

International affairs students are encouraged to participate in the program’s intensive session held each summer in Europe. The program is designed to expose students to a wide variety of issues and resources relating to their curriculum in an international setting.

Internships

The Program in International Affairs provides a variety of internship opportunities designed to supplement course work towards the master’s degree. Some internship placements are with agencies and businesses in Florida’s capital that work in the international arena. Others are available in other countries. Students must have prior approval of the director before selecting the internship.

All students are required to take:

1. International Affairs Courses: INR5935r, Special Topics (Colloquium), for one (1) semester hour; INR 5936r, Special Topics in International Affairs (Problems of Globalism), for three (3) semester hours; and INR 5938, Joint Seminar in International Affairs.

2. At least nine (9), but no more than eighteen (18), semester hours in one of the participating departments and school.

3. Course work in at least three of the participating departments and school; and

4. At least six (6) hours focusing on the developing or post-Communist world (i.e., outside of the United States, Canada, Western Europe, Japan, Australia, and New Zealand).

Ten (10) semester hours in the thirty-two (32), or eight (8) in the thirty (30) hour program, may be selected from outside the participating departments and school with the director’s approval.

Up to eight (8) semester hours in the thirty-two (32) hour program, or six (6) in the thirty (30) hour program, may be 4000 level courses, if no 5000 level equivalent is offered by that department or school.

All students must satisfy the foreign language requirement for the master of arts degree, even if they choose to graduate with a master of science degree. Proficiency in a modern foreign language will be demonstrated by either: 1) passage of a Graduate Reading Knowledge Exam administered by the Department of Modern Languages and Linguistics at The Florida State University; 2) satisfactory performance on the Graduate School Foreign Language Tests of the Educational Testing Service; or 3) completion of twelve (12) semester hours of college level course work in a foreign language with an average grade of at least 3.0 (“B”); or 4) four years of a single language in high school.

The student may choose between a thirty-two (32) semester hour program or a thirty (30) semester hour course and thesis program. The choice will depend upon career objectives. Students must have prior approval of the director before selecting the thesis option.

The Program in International Affairs offers a wide range of opportunities to students interested in pursuing graduate study in the field of international affairs. Students can choose to specialize in any of the 10 participating departments and school, depending upon their individual interests and career goals. The program offers a variety of courses, including Graduate Record Examinations (GRE) and Quantitative and Titative Aptitude portions of the examination. The program is designed to provide students with a comprehensive understanding of the global political landscape and to prepare them for careers in government, business, and international organizations. Students have the opportunity to participate in internships in various countries and to gain practical experience working in the international arena. The program also offers graduate assistantships to support students financially. Overall, the Program in International Affairs provides a valuable educational experience for students interested in the field of international affairs.
that required to fulfill the foreign language requirement.

**Required Core Course**

**Note:** a description of the following course can be found under “Graduate Courses” in this chapter.

| INR 5935r | Special Topics [Colloquium] (1–3) | ANG 5900r | Special Topics in International Affairs [Problems of Globalism] (1–3) |
| INR 5938 Joint Seminar in International Affairs (3) |

**Recommended Courses**

**Note:** descriptions of the following courses can be found under the departmental listings.

### Anthropology

| ANG 5255 Peasant Societies (3) | ANG 5269 Economic Anthropology (3) | ANG 5309 Conquest of the Americas (3) |
| ANG 5337 Peoples and Cultures of Amazonia (3) |
| ANG 5491 Seminar in Social Anthropology [Peoples and Cultures of Mexico and Central America] (3)* |
| ANG 5491 Seminar in Social Anthropology [Peoples and Cultures of Africa] (3)* |
| ANG 5491 Seminar in Social Anthropology [Peoples and Cultures of Southeast Asia] (3)* |
| ANG 5491 Seminar in Social Anthropology [Japanese Society and Culture] (3)* |
| ANG 5491 Seminar in Social Anthropology [Chinese Society and Culture] (3)* |

*Students should check with the Department of Anthropology concerning the availability of these courses.

### Economics

| ECO 5005 Economic Principles for International Affairs (3) | ECO 5705 International Trade (3)* |
| ECO 5708 Seminar in International Trade Theory and Policy (3) |
| ECO 5715 International Finance (3)* |
| ECO 5716 Seminar in Theory and Policy of International Finance (3) |
| ECP 5115 Seminar in Economics of Population (3) |
| ECS 4333 Transition of Soviet and Eastern European Economies (3) |
| ECS 5005 Seminar in Comparative Economic Systems (3) |
| ECS 5015 Economic Development: Theory and Problems (3) |
| ECS 5028 Economics in Transition (3) |

*There are prerequisites for these courses that students in international affairs should discuss with the instructor before registering for them.

### Geography

| GEA 5195r Advanced Area Studies (3). (Various regions) | GEO 5358 Environmental Conflict and Development (3) |
| GEO 5425 Cultural Geography (3) | GEO 5472 Political Geography (3) |
| GEO 5481 Military Geography (3) | GEO 5545 Advanced Economic Geography (3) |
| GEO 5555 World Systems Theory (3) |

### History

| AFH 5308 Northern African History (4) | AMH 5278 United States Since 1945 (4) |
| AMH 5517 United States Foreign Relations to 1940 (4) |

### Sociology

| SYD 5105 Population Theory (3) | SYD 5135 Techniques of Population Analysis (3) |
| SYD 5145 Population Policy (3) | SYD 5215 Mortality (3) |
| SYD 5225 Fertility (3) | SYD 5235 Population Mobility (3) |
| SYO 5306 Political Sociology (3) | SYO 5315 Sociology of Political Economy (3) |
| SYO 5505 Theories of Organizations (3) | SYP 5446 Sociology of National Development (3) |

### Urban and Regional Planning

| URP 5424 Sustainable Development Planning in the Americas (3) | URP 5544 Gender and Development (3) |
| URP 5610 Introduction to Development Planning (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) |
| URP 5847 Growth and Development of Cities (3) |

### Definition of Prefixes

INR — International Relations

PAX — Peace Studies

### Graduate Courses

| INR 5012. Problems of Globalism (3). This is a core course for all international affairs graduate students providing background for a theoretical and practical understanding of globalization and the international organizations that are significant actors in this process. |
| INR 5906r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours. Subject varies with each student. |
| INR 5910r. Supervised Research (1–3). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. Subject varies with each student. A maximum of three (3) hours may apply to the master’s degree. |
| INR 5935r. Special Topics (1–3). (S/U grade only.) Topics vary. May be repeated as topics change. |
| INR 5936r. Special Topic in International Affairs (1–3). Topics vary. May be repeated as topics change to a maximum of nine (9) semester hours. |
| INR 5938 Joint Seminar in International Affairs (3). Provides a core course for all majors in the interdepartmental master’s program in international affairs. It is an introduction to references and research tools in international relations; disciplinary and interdisciplinary approaches, and basic concepts in the field. |
| INR 5971r. Thesis (1–6). (S/U grade only.) Topic varies with student. A minimum of six (6) semester hours of credit is required. |
| INR 8966r. Master’s Comprehensive Examination (0). |
| INR 8976r. Master’s Thesis Defense (0). (P/F grade only.) |

### Public Administration

| PAD 6836 Comparative/Development Administration (3) |

### Religion

| REL 5195r Seminar: Religion and Culture (3) | REL 5305 Seminar: History of Religions (3) |
| REL 5339 Modern Hinduism (3) | REL 5545 Modern Protestantism (3) |
| REL 5565 Modern Roman Catholicism (3) | REL 5616 Modern Judaism (3) |
| REL 6176 Seminar: Ethics and Politics (3)* |

*Students in international affairs should get permission of the instructor before registering for this course.
INTERNATIONAL RELATIONS
see Political Science

ITALIAN LANGUAGE, LITERATURE
see Modern Languages and Linguistics

JAPANESE
see Asian Studies; Modern Languages and Linguistics

JAZZ STUDIES
see Music

LAW 5300. Civil Procedure (4). Jurisdiction of person, subject matter, and venue of federal and state courts; pleadings, complaints, answer, motion, judgment on pleadings and summary. Required course.

LAW 5400. Property (2–3). The institution of property in society; creation by private arrangements or by operation of law; judicial reconciliation of competing interests; community action with respect to the use of property. Prerequisite: LAW 5000.

LAW 5501, 5502. Constitutional Law I, II (3, 3). Judicial function in constitutional cases, federal system, powers delegated to national government powers reserved to the states, due process of law, and fundamental individual rights. Required courses.

LAW 5700. Contracts (4). Civil liability for harm to persons and property, including intentional torts and privileges thereto; negligence, causation, and defenses; strict liability, products liability, defamation, and privilege; student participation with conference with advantageous relationships. Required course.

LAW 5792. Legal Writing and Research I (2). Use of law library, legal research techniques, and practical work in analyzing legal problems. Students meet in small sections to work on specific legal problems assigned to them. First-year required course.

LAW 5793. Legal Writing and Research II (2–3). Legal writing techniques, practical work in analyzing legal problems, preparation of an appellate brief, and the argument of an appellate case. Follows LAW 5792. Required course.

LAW 6010. Sales and Leases (2–3). Rights and responsibilities of parties to sales and leases, including warranties, including sale of personal property under UCC Articles 2 and 2A; transactions in documents of title, bulk transfers, and letters of credit under UCC Articles 5 and 6. Examinations of instruments of conveyance and of goods and other international law governing documents of title and letters of credit.

LAW 6020. Commercial Paper (3). Principles of commercial paper; system of bank deposits and collections, including the relationship of the commercial bank and its customer. The use of commercial paper in documentary exchanges is also covered.

LAW 6030. Secured Transactions (2–3). Security interests in personal property; creation, perfection, priority, and enforcement security interests under UCC Article 9; effect of bankruptcy on secured transactions.


LAW 6060. Business Associations (4). General principles of law relating to agency and partnerships, followed by a more detailed study of the modern business corporation. Formation and structure of the corporation, powers, controls, and obligations of officers and directors, rights and liabilities of stockholders, rights of creditors, stockholder’s representative actions.

LAW 6062. Agency and Partnership (2–3). A study of the basic principles of agency and partnership law, including limited partnerships, limited liability partnerships, and limited liability companies. Prerequisites: LAW 5000, 5400.

LAW 6065. Insurance Law (2–3). An overview of insurance theory and regulation with emphasis on recurring insurance concepts in solving specific legal problems; legal problems and processes involving individuals and their legal counsel, legislatures, and government officials.

LAW 6235. Women and the Law (3). Study of the legal treatment of sex differences in the construction and legitimization of the social status of women and men. Prerequisites: LAW 5000, 5300. Special Topics in Law (3). Topics vary. May be repeated to a maximum of fifteen (15) semester hours.
A study of the fundamental
Prerequisites: LAW
Survey
Advanced
Advanced
- This
Prerequisite: LAW.
A survey of contem-
Survey of
(S/U grade only.)
Course covers
Survey
Prerequisites: LAW 5501
conveyances, and rights of debtors to be relieved of obliga-
LAW 6794. Writing Skills (3).
with limited business background.
value methodology, reading financial statements, valuation of
tal financial concepts, including compound interest, present
be repeated to a maximum of five (5) semester hours.
hospital organization, physician and patient autonomy, anti-
merous topics including national health care programs, health
LAW 6720r. Health Law and Policy (2–3).
LAW 6705. Workers' Compensation (2–3).
A study of the workers' compensation insurance system.
LAW 7054r. Bankruptcy Policy Seminar (2).
Prerequi-
Site: LAW 7050. Advanced study of selected topics regarding
LAW 7055. Corporate Reorganization (2).
Prerequisites:
LAW 7050. An advanced course in the reorganization of busi-
nesses via Chapter 11 and Chapter 7 of the Bankruptcy Code.
Debentures play the Creditor-Creditor Game, an interactive computer
simulation of a financially distressed motel/boutique/restaurant, in
the role of both a debtor and creditor ranging from the bank to a rock band,
who must develop and implement their own strategies, including the
negotiation of credit agreements or a plan of reorganization, and win
business interviewing, fact investigation, pleading and motion practice,
discovery, evaluation, and negotiation. Analysis of
problems to determine win-win solutions, costs and benefits in light of
litigation goals. May also consider law office management, procedures of
administration of files and dockets, cost control, personnel management.
LAW 7307. Advanced Civil Procedure (2–3).
Advanced study of selected topics regarding federal civil procedure, es-
tablishment of a federal system of civil procedure, estab-
lishment of a federal system of civil procedure, estab-
lishment of a federal system of civil procedure, estab-
LAW 7311. Dispute Resolution Seminar (2).
Advanced study of various theories regarding judicial and non-judicial me-
Advanced study of various theories regarding judicial and non-judicial me-
Advanced study of various theories regarding judicial and non-judicial me-
LAW 7308. Conflict of Laws (2–3).
Conflict of Laws (2–3).
Conflict of Laws (2–3).
LAW 7227. American Legal History I (2–3).
Survey of early American legal history (circa 1600–1800), including the
British narrative of American law, the American Revolution, the
Confederation, the Constitutional Convention and ratification
LAW 6670. Real Estate Transactions (3).
LAW 6610. Corporate Tax (4).
Prerequisite: LAW 6600. Federal corporate income taxation; techniques for dis-
tributing wealth with partial tax requirements; federal tax levels; special problems of corporate liquidations, mergers and
reorganizations.
LAW 6600r. Taxation of Business Entities (3).
This course introduces students to the federal income taxation of
corporations, partnerships and limited liability companies. Topics covered will include choosing the appropriate entity form, the
formation of the entity, operation and distribution, sales of interests, and liquidation. Tax-free reorganizations and other similar transactions will also be covered.
LAW 6620. Estate and Gift Tax (3).
Introduction to federal taxation of estates and gifts.
LAW 6617r. Tax Exemptions (3).
Recommended: LAW 6600r. This course is designed to train students to
analyze complex commercial real estate transactions. It is
important for those involved within law, attempting to integrate topics in
cluding basic mortgage law, usary law, usury law, subordination agree-
ments, mechanics lien law, selected uniform commercial code issues, choice of business entity, federal and state securities law and,a
importantly, federal income tax law. Condominiums and cooperatives are discussed as security devices. The
derelated to business development and lease transactions, fundamental to commercial real estate transactions, especially the
taxation of indebtedness, the rise of secured transactions and the
LAW 6700. Advanced Torts (2–3).
Prerequisite: LAW 5700. Advanced study of contemporary tort law and policy,
focusing in depth on the jurisprudential and economic founda-
tions of injury compensation generally and in the context of several particular tort law doctrines.
LAW 7509. Comparative Law (2–3).
Perspective course providing an introduction to the civil law tradition.
LAW 7508. Comparative Criminal Procedure (2–3). Perspect-
ive course providing an introduction to the criminal law tradition.
LAW 7324. Intellectual Property I (3).
This course will cover the principles of intellectual property law, including copyrights, trademarks, patents, trade secrets and unfair competition. The course will consider the role of intellectual property in the economy, including how intellectual property rights are created, enforced, and enforced, and the relationship between intellectual property law and other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7354. Intellectual Property II (2–3).
Advanced study of topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7352. Intellectual Property IV (2–3).
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7351. Intellectual Property V (2–3).
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7350. Intellectual Property VI (2–3).
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7349. Intellectual Property VII (2–3).
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7348. Intellectual Property VIII (2–3).
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7347. Intellectual Property IX (2–3).
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7346. Intellectual Property X (2–3).
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7344. Intellectual Property XII (2–3).
Advanced study of advanced topics in intellectual property law, including additional aspects of copyright law, trademark law, patent law, and trade secret law. The course will also consider the role of intellectual property law in other areas of law, such as contract, tort and criminal law. The course will also consider the ethical and policy issues that arise in the context of intellectual property law, including issues related to access to knowledge, innovation, and economic development.
LAW 7512. Church and State (2–3). Prerequisites: LAW 5501, 5502. Advanced study of issues arising under both the Establishment and Free Exercise clauses of the U.S. Constitution.

LAW 7515r. Disability Law (2–3). A study of the law of disability discrimination litigation with an emphasis on federal laws affecting civil rights in employment, education, housing, and accommodations. May be repeated to a maximum of five (5) semester hours.

LAW 7521. Florida Administrative Practice (2–3). Legislative and judicial control of state administrative action. Major emphasis is on the impact of the Florida Administrative Procedures Act on selected state agencies in their rulemaking and adjudicating functions.

LAW 7549. Employment Discrimination (3). Study of the various statutes and executive orders governing the employment relationship relating to discrimination on the basis of sex, race, age, religion, color, national origin, and sexual preference.

LAW 7552. Economic Regulations of Business (2–3). Advanced study of economic market failures and regulatory approaches. Students will analyze a particular regulatory scheme, evaluate its efficacy and wisdom, and suggest an alternative.


LAW 7565. Securities Litigation Seminar (2). Prerequisite: LAW 6000. Advanced study of selected issues involving litigation under the federal or state securities laws.

LAW 7574. International Aspects of Intellectual Property (2–3). Advanced study of law and policy for the protection of intellectual property rights (IPR's) on an international basis, including framework created by various treaties and conventions.

LAW 7575. Entertainment Law (2–3). Advanced study of the law pertaining to the entertainment industry, with special emphasis on the management of professional sporting competition as entertainment.

LAW 7576. Family Law (3). Legal relations and problems incident to the creation, preservation, and dissolution of the family unit. The course includes marital affairs and actions, adoption, child custody, and criminal and tortious consequences, insurance and employment discrimination, planning for possible conflicts between the interests of the state in this area and the private interests of the individuals concerned.

LAW 7577. Florida Dissolution of Marriage (3). Advanced workshop on Florida marital dissolution law.


LAW 7723. Genetics, Ethics, Law, and Policy (2–3). Advanced study of the ethical, legal, and public policy implications of current and future research and knowledge in human genetics. Topics include privacy and confidentiality of genetic information, insurance and life and health insurance discrimination on the basis of genetics, prenatal testing and abortion, cloning, gene therapy and enhancement, and eugenics.

LAW 7724. Administrative Law (2–3). Introduction to the law of the sea, including maritime jurisdiction.

LAW 7750. Professional Responsibility (3). A required course in satisfaction of the Florida Bar requirement for curriculum in some institutions. Credit is, and enrollment may be, determined by consideration of special legal areas not included elsewhere in the curriculum. Credit is, and enrollment may be, determined by consideration of special legal areas not included elsewhere in the curriculum.

LAW 7751r. Moot Court Competition (1–3). Upperclass students only. May be repeated when content changes. Different sections may be taken in the same semester; consent of instructor.

LAW 7752r. Clinical Law Programs (1–15). Preparation for and participation in state, regional, and national law and legal research resulting in honors and academic publications. May be repeated when content changes. Different sections may be taken in the same semester; consent of instructor.

LEARNING AND COGNITION see Educational Psychology and Learning Systems

Other Courses
LIN 5772, 5908r, 5932; PSY 5916r; SPN 5805

Linguistics
see also Anthropology; Communication Disorders; English; Modern Languages and Linguistics

LITERATURE
see English; Modern Languages and Literature

The graduate mission of the department is to provide education at both the master’s and doctoral level and to stimulate and carry out research resulting in scholarly publications. At the master’s level, this teaching and research reflects a strongly applied focus with examination of the practices of various companies and other organizations. At the doctoral level, the focus is more analytical with emphasis on theory development and testing.

Master’s Degree
The Department of Management hosts a master’s of science in management degree program with a major in risk management
and insurance. This program is administered through the Department of Risk Management and Insurance.

The risk and insurance major is an online, corporate program designed for insurance professionals and requires completion of thirty-three (33) semester hours of graduate level coursework. It is offered on a distance-learning basis to allow the working professional to obtain the degree.

Additional information on this program can be found in the College of Business section of the Graduate Bulletin, or at http://www.cob.fsu.edu/grad.

Doctoral Degree

The college offers a PhD in business administration. The management department offers two concentrations in the PhD program: organizational behavior and human resource management, and strategic management. The management major prepares students for teaching and research at the university level.

Graduates have been placed at universities throughout the United States, including Auburn University, Florida International University, Florida Atlantic University, University of South Florida, Penn State University, University of Georgia, California State University at Fullerton, New Mexico State University, Appalachian State University, Old Dominion University, University of North Carolina at Charlotte, Georgia Southern University, and Michigan State University.

Definition of Prefixes

HFT — Hospitality Management
MAN — Management

Graduate Courses

Master's

Note: the 5000 level courses are reserved exclusively for graduate students. No courses carrying both undergraduate and graduate credit are offered. Courses which may be repeated for credit are designated by “r” immediately following the course number.

HFT 5220. Leadership Strategies in Hospitality and Tourism Organizations (3). Students study management strategies that are used in a variety of organizations in the hospitality and tourism industry. This course explores current issues in establishing outstanding service systems; Sport Management, Recreation Management, and Physical Education

Geographic Service Organizations (3). This course explores current issues in establishing outstanding service organizations in the hospitality and tourism industry.

HFT 5477. Financial and Cost Control Systems for Hospitality and Tourism Organizations (3). This course offers an in-depth analysis of corporate financial and management systems, financial feasibility, asset valuation, financial projections, tax environments, and capital acquisition in hospitality and tourism industries.

HFT 5508. Services Marketing and Research for Hospitality and Tourism Organizations (3). This course examines marketing and service industries within the context of the services marketing mix and the implementations of service strategies in the hospitality and tourism industry.

HFT 5907. Legal Environment of Hospitality and Tourism Organizations (3). This course analyzes the legal principles of law applied in the hospitality and tourism industry as related to employment, suppliers, guest relationships, liability, and other legal issues.

HFT 5750. Convention Services and Events Management (5). This course provides a comprehensive approach to managing, marketing, and planning conventions, special events, meetings, and conferences.

HFT 5908. Human Resources Management in Hospitality and Tourism (3). This course provides graduate students the opportunity to explore subjects of interest which are not offered within the existing list of courses.

HFT 5935c. Special Topics in Hospitality and Tourism (3). Subjects in this course will vary based upon current trends in business as related to hospitality and tourism and may include convention services management, facilities management, vacation ownership marketing and operations, event management, and sustainable tourism management. May be repeated to a maximum of nine (9) semester hours.

MAN 5204. Organization Theory (3). An examination of basic organizational theory, including the role of an organization, environment, formal structure, and related concepts.


MAN 5285. Organizational Change and Development (3). Prerequisite: MAN 5245. Concepts of managing and developing the organization and its members during periods of transition, change, and conflict resolution.

MAN 5305. Personnel/Resource Management (3). Survey course covering strategic practices and problems in human resource management. Topics include job analysis, selection, training, compensation, and other employee rights.

MAN 5651. International Management Strategy (3). An examination of how organizations can adopt in operating in an international environment. Explores the cultural, human resources, physical resources, legal and financial environments of international strategy formulation and implementation.

MAN 5721. Strategy and Business Policy (3). Prerequisite: All other master of business administration core courses. The relation between theories and practices of management; utilizing theories in strategic decision making and including a methodology for strategic marketing.

MAN 5905c. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of three (3) semester hours.

MAN 5907. Special Studies in Management (1–3). Prerequisite: Consent of associate dean for academic programs. Each course is repeatable up to three times.

MAN 5911r. Supervised Research (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

MAN 5913r. Special Topics in Management (1–3). In-depth study of current topics in management. May be repeated to a maximum of three (3) times as topics vary.

MAN 5940r. Supervised Teaching (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

MAN 5971r. Thesis (3–6). A minimum of six (6) semester hours is required.

MAN 8960c. Doctoral Comprehensive Examination (0). (S/U grade only.)

MAN 8976c. Master’s Thesis Defense (0). (P/F grade only.)

Doctoral

Note: the doctoral curriculum includes courses selected from the following in addition to those offered at the 5000 level. In exceptional cases master’s candidates may elect 6000 level courses with permission of the instructor and the associate dean for academic programs.

MAN 6235c. Doctoral Seminar in Organizational Theory (1–3). A review of the literature and research in the field of organization theory. Emphasis is on both current and classical literature. May be repeated to a maximum of ten (10) semester hours.

MAN 6275c. Organization Behavior I: Literature (3). A review of the literature and research in the field of organization behavior. Emphasis is on both current and classical literature.

MAN 6755c. Doctoral Seminar in Strategic Management: Selected Topics (3). An examination of selected topics in strategic management. Frequently, one term examines strategy formulation and the next examines strategy implementation.

MAN 6901c. Supervised Research (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

MAN 6932c. Doctoral Seminar in Strategic Management I: Literature (3). Study of organizational strategies and policies of the literature and analysis of conceptual and empirical research issues in strategic management.

MAN 6933c. Doctoral Seminar in Organizational Behavior: Special Topics (3). An examination of special topics in organizational behavior. Topic changes from term to term.

MAN 6954c. Doctoral Seminar in Management Research: Data Analysis (3). Hands-on application of statistical tests utilizing computer packages to analyze various data sets.

MAN 6941c. Supervised Teaching (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

MAN 6979c. Doctoral Seminar in Research (3). Focuses on the epistemological foundations of basic research methods in the organizational sciences such as observation, interviews, questionnaires, field experiments, and laboratory experiments.

MAN 6980c. Dissertation (1–12). (S/U grade only) A minimum of twenty-four (24) semester hours is required.

MAN 6934c. Doctoral Preliminary Examination (0). (P/F grade only.)

MAN 8985c. Dissertation Defense Examination (0). (P/F grade only.)
The Center for Information Systems Research is a major unit within the department. Its purpose is to support high-level research into the nature and use of information in organizations and to enhance the management of information resources in all sectors of society. Through projects supported by the center, students have the opportunity to expand their knowledge of specialized technology, problems, and research issues not covered in the regular curriculum. The center is supported by a variety of public and private organizations and by private individual contributions.

**Requirements**

A student pursuing a Master of Science (MS) in management information systems must complete thirty-two (32) semester hours. The program begins only in the Fall term. It is primarily a full-time program; however, students may attend on a part-time basis under certain circumstances. Deadline for receipt of all application materials is May 1st.

With approval on an individual basis, the MBA student may take specific electives in MIS which are offered periodically.

The PhD student pursues a broad-based curriculum in information and management sciences. A series of doctoral seminars form the core of the program. The seminars deal with research methodology, general systems theory, individual and organizational decision-making processes and structure, management information systems, and systems analysis methodology.

A series of methodology and quantitative analysis courses are completed as a part of the major or as a part of the college-required tools and requirements sequence. Students must select a minor to support their research interests. A minimum of topics from other departments both within and outside of the College of Business are available. Psychology, sociology, statistics, mathematics, philosophy of science, computer science, strategic management, organizational behavior, and communication are examples of support areas that have been selected.

**Definition of Prefix**

ISM Information Systems Management

**Graduate Courses**

**Master’s**

*Note: the 5000 level courses are reserved exclusively for graduate students. No courses carrying both undergraduate and graduate credit are offered.*

ISM 5006. Communication and Decision Processes (3). The communication and decision behaviors that are critical for effective individual, group, and organizational performance are examined. The objectives and constraints associated with the behaviors are studied, as are strategies for managing them. The use of information technology to manage the behaviors is a special focus.

ISM 5021. Information and Technology Management (3). Applied course in concepts and techniques used in the design and implementation of management information systems and decision support systems, with emphasis on management of these systems.

ISM 5046. Social and Organization Issues in MIS (3). This course provides students an opportunity to explore some of the issues related to information systems and their place in society. Course focus will cover society as a whole, electronic communities, organizational impacts, the implications of design choices, and ethical considerations.

ISM 5123. Information Systems Analysis and Design (3). Students will learn about the particular MIS perspective on systems development and its life cycle, from the birth of a new information system to its death and replacement. In addition, they will learn about the tools, techniques, and methodologies used by systems analysts to develop information systems in organizations.

ISM 5206. Database Development and Management (3). This course is designed to provide a comprehensive overview of the major issues underlying the organizational utilization of databases and database management systems. Theoretical, conceptual and practical concerns in the design and implementation of database systems will be discussed. Organizational concerns in database use will be highlighted through the use of case studies.

ISM 5226. Network Development and Management (3). This course will provide good exposure to the basic telecommunication technology concepts, standards, products and services, and the emerging developments in telecommunication, and will provide an understanding of the business context of telecommunication technologies.

ISM 5315. Project Management (3). This course has been designed to be relevant for all professionals confronting project-related tasks, with particular attention given to the information systems context. Course content includes an overview of technology, an introduction to software development approaches, facets of project management, and organizational issues related to successful project management.

ISM 5475. Client/Server Applications (3). Students will gain a basic understanding of client/server architecture and learn to develop client/server solutions to business problems. The course will cover client/server components, development methodologies, and tools. Students also will develop a prototype system.

ISM 5906r. Directed Individual Study (1–3). (SU grade only.) Prerequisite: Consent of associate dean for academic programs. Each course is repeatable up to three times.

ISM 5907r. Special Studies in Management: Information and Systems Management (1–3). Prerequisite: Consent of associate dean for academic programs. Each course is repeatable up to three times.

ISM 5935r. Special Topics in Information and Management Sciences (1–3). Indepth study of current topics in information and management sciences. May be repeated to a maximum of three (3) times as topics vary. (SU grade only.) A minimum of six (6) semester hours of credit is required.
Doctoral

Note: the doctoral curriculum includes courses selected from the following in addition to those offered at the 5000 level. In exceptional cases, a master’s candidate may elect 6000 level courses with permission of the instructor and the associate dean for academic programs.

ISM 6109. Doctoral Seminar in General Systems Theory (3). A discussion of the different theories and views about organizations and the design of information and communication systems in organizations. Students will gain an appreciation for the close and intertwining nature of the relationship between views of organizations and the philosophies governing the design and use of information systems.

ISM 6395. Doctoral Seminar in Management Information Systems (3). Course addresses the organizational issues associated with effective information technology-based innovation and the management of information technologies in organizational strategies and operations.

ISM 6405. Doctoral Seminar in Decision Processes and Structures (3). Study of the structures and processes of decision-making at the individual, group, and organizational levels. Students also gain an appreciation for the impact of information technologies on these decision-making structures and processes.

ISM 6885. Doctoral Seminar on MIS Research (5). An examination of the process of designing and conducting research projects on information systems phenomena. Students will gain an appreciation for the challenges and issues associated with the application of different research methodologies in research. May be repeated to a maximum of five (5) semester hours.

ISM 6917c. Supervised Research (1–3). (S/U grade only) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

ISM 6919c. Supervised Teaching (1–3). (S/U grade only) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

Definition of Prefixes

GEB — General Business
MAN — Management
MAR — Marketing
QMB — Quantitative Methods in Business

Graduate Courses

Master’s

Note: the 5000 level courses are reserved exclusively for graduate students. No courses carrying both undergraduate and graduate credit are offered. Courses which may be repeated for credit are designated by “r” immediately following the course number.

GEB 5125. Seminar in Small Business Analysis and Assistance (3). Small business fundamentals, entrepreneur- ship, and selling procedures. Students must be accepted in the small business core at the University of Florida for this seminar.

GEB 5446. The Business Context (3). Corequisite: ACC 5505 or equivalent. MBA Foundation Course. This course will consist of half a term of management and half a term of financial management. The marketing management segment provides a comprehensive overview of marketing systems and major marketing management decision areas, with an emphasis on factors influencing managerial decisions. The financial management segment provides an introduction to the terminology, methodology and basic decision models of finance, with an emphasis on capital budgeting, capital structure, and the dividend decision.

MAN 5501. Operations Management (3). Develops a conceptual framework which is useful in describing the nature of the operations function, with an emphasis on understanding basic issues in managing the operations of a service organization.

MAN 5525. Quality Management (3). Prerequisite: MAN 5501. The issues and techniques of quality management are covered. The focus is developing skills necessary to develop and manage quality strategies that improve organizational productivity and performance.

MAN 5601. Multinational Business Operations (3). Graduate survey of international business. Concepts of international economics blended with the marketing of goods and services in international markets. Current international events and issues discussed.

MAR 5409. Business-to-Business Sales and Marketing (3). Information about sales, marketing and managing relationships with business customers. It will cover business-to-business management issues, with an emphasis on topics at the mid-to-upper management levels. Students also gain an appreciation for the impact of information technologies on these decision-making structures and processes. May be repeated to a maximum of five (5) semester hours.

ISM 679. Doctoral Seminar in Research Methods and the Philosophy of Science (3). A discussion of the research process in the academic community. The role of data in the philosophy of science research. The seminar also nurtures the motivation to become a contributor to the organizational sciences and information systems research communities by examining research processes, methodologies, and strategies, the information systems research context, conceptualization, methodologies, and the nature of organizational sciences research.

ISM 6900r. Dissertation (1–12). (S/U grade only) A minimum of twenty-four (24) semester hours is required.

ISM 8964. Doctoral Preliminary Examination (6). (S/U grade only)

ISM 8985. Dissertation Defense Examination (0). (S/U grade only)

MARINE BIOLOGY

See Biological Science

DEPARTMENT OF MARKETING

COLLEGE OF BUSINESS

Chair: Dennis Cradit; Professors: Brusco, Cradit, Cronin, Downs, Flynn, Giunipero, Goldsmith, Hofacker, Showalter, Associate Professors: Hartline, Knight, Assistant Professors: Brady, Kim, Overby, Raman, Assistants in Marketing: Brenna, Larsen, Pallenino; Richard M. Baker Professor of Marketing: Goldsmith; Carl DeSantis Professor of Business Administration: Cronin; Charles A. Bruno Professor of Business Administration: Cradit

The marketing department faculty teaches a variety of courses at the graduate level. Additionally, the faculty research efforts cover a large spectrum of topics that include brand equity, consumer behavior, global marketing, marketing research, marketing services, mathematical modeling, purchasing management, retailing, and value systems. The major focus of the graduate level instruction is to stimulate student’s interests and increase knowledge in the marketing discipline. At the master’s level, the department attempts to blend the academic theory with practical knowledge in order to bridge the gap between the professional job environment and theory.

In the doctoral program the department’s primary objective is to build a theoretical-based program that allows students to develop a qualitative and quantitative appreciation for marketing. The department attempts to prepare doctor of philosophy (PhD) students for academic teaching and research-based careers. The curriculum introduces students to topics in marketing, management, consumer behavior, research methodology, and quantitative methods. Students in past years have specialized in areas such as marketing strategy, service marketing, channels and distribution, promotion, product design, consumer behavior, and quantitative methods.

Requirements

Required marketing course work at the master of business administration (MBA) level consists of the following courses: MAN 5601. Multinational Business Operations, and MAR 5816. Marketing Strategy.

At the doctoral level, candidates with a concentration in the marketing area are required to complete nine (9) doctoral-level marketing seminars, a doctoral-level program of study in a secondary support area, and four (4) additional courses in statistics. The seminars cover topics in research methods, consumer behavior, services marketing, buyer behavior, marketing strategy, marketing models, marketing systems, and marketing history.

Graduate Courses

Master’s

Note: the 5000 level courses are reserved exclusively for graduate students. No courses carrying both undergraduate and graduate credit are offered. Courses which may be repeated for credit are designated by “r” immediately following the course number.

MAR 5465. Purchasing and Supply Chain Management (3). This course analyzes functions involved and variables needed to control flow of materials; emphasis is on economic environment for materials acquisition and allocation.

MAR 5505. Consumer Behavior (3). Seminar focusing on theories of behavior and the application of research methods to marketing. Comprehensive analysis and interpretation of consumer behavior models. Also offered by the Department of Communication.

MAR 5726. Electronic Business in Supply Chain Marketing (3). This course focuses on information technology and how it affects marketing within the supply chain. These include logistical issues and the flow of goods, services, and funds within the supply chain to the final consumer. Specific topics include emerging concepts of e-commerce, Internet, intranets, extranets, marketing information systems and logistics information systems.

MAR 5815. Marketing Management (3). Comprehensive overview of marketing system and major marketing management decision areas. Emphasis on factors influencing managerial decisions.

MAR 5816. Marketing Strategy (3). Strategy applied to planning, analysis, and control; emphasis on individual situation analysis involving consumer needs, market position, competition, and public policy environment.

MAR 5907c. Directed Individual Study (1–3). (S/U grade only) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of five (5) semester hours.

MAR 5988. Special Studies in Management (1–3). Prerequisite: Consent of associate dean for academic studies. May be repeated to a maximum of nine (9) semester hours.

MAR 5917c. Supervised Research (1–3). (S/U grade only) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of three (3) semester hours.

MAR 5935r. Special Topics in Marketing (1–3). In-depth study of current topics in marketing. May be repeated to a maximum of three (3) times as topics change.

MAR 5940r. Supervised Teaching (1–3). (S/U grade only) Prerequisite: Consent of associate dean for academic programs. A maximum of three (3) semester hours may apply towards the masters degree. May be repeated to a maximum of five (5) semester hours.

MAR 5971c. Thesis (3–6). (S/U grade only) A minimum of six (6) semester hours credit is required.

MAR 8966c. Master’s Comprehensive Examination (0). (P/F grade only)

MAR 8976c. Master’s Thesis Defense (0). (P/F grade only)

QMB 5355. Quantitative Methods for Managerial Decisions (3). Prerequisites: One course in statistics and one course in calculus. Sampling techniques in design of experiments in operations research. The role of quantitative methods in management problem solving.

QMB 5755. Studies in Operations Research (3). Introduction to the treatment of operations research methodology, with emphasis on applications of network, inventory, scheduling, and queuing decision models to business and management.

QMB 5845. Simulation of Dynamic Systems (3). Prerequisite: QMB 5355. In-depth study of computer simulation methodology, including model construction, random variate generation, validation, and simulation languages as they relate to business and management.

ADDITIONAL REQUIREMENTS
Interdivisional Program in MARRIAGE AND FAMILY

COLLEGE OF HUMAN SCIENCES

Program Director: Robert E. Lee; Training Director: Mary Hicks; Professors: Comille, Darling, Hicks, Mills, A. Mullis, R. Mullis, Readick, Rehm

Marriage and Family Therapy is a discipline for people with backgrounds in family studies, psychology, social work, counseling, and other areas who want to learn more about theory, research and clinical training with families, couples, and individuals from a relational or systems perspective. The Interdivisional Program in Marriage and Family at The Florida State University, in the Department of Family and Child Sciences, College of Human Sciences, is one of the most distinguished in the nation, attracting students from across the country and around the world. It is one of the oldest doctoral programs in the United States.

Requirements

To apply to the PhD Program in Marriage and Family, contact the program assistant, 225 Sandels Building, College of Human Sciences, Florida State University, Tallahassee, FL 32306-1491 (850) 644-3177.

In general, applicants should hold a master's degree in marriage and family therapy, psychology, social work or a related field, and have at least a year of clinical experience. They should have combined Graduate Record Examination (GRE) scores of at least 1000 for the verbal and quantitative sections and a 3.5 GPA on a 4.0 scale for the last two years of academic work. They must complete all necessary University and departmental admission forms, including a statement of professional ethics and conduct, and provide a minimum of three (3) letters of recommendation from references who can assess their scholarly and clinical potential. Fully completed applications must arrive by January 1st to be considered for the fall term. Those interested in being considered for competitive fellowships should apply by November 1st. The most qualified candidates will be invited to attend a day-long interview with the MFT clinical faculty in late February or early March. Attendance at this interview is required for admission. Departmental assistantships are available to successful applicants, as are other forms of financial assistance. Students are admitted only in the Fall semester.

Course Work

Program requirements for students who already have a master's degree in marriage and family therapy (MFT) from COAMFTE-accredited programs include a minimum of fifty-one (51) semester hours of coursework, twelve (12) semester hours of internship credits, and thirty-four (34) semester hours of dissertation credits. The course requirements include a minimum of twelve (12) semester hours of family science, eighteen (18) semester hours of research methodology, twelve (12) semester hours of best practices family interventions, and nine (9) hours of clinical practicum. Students who satisfactorily complete their coursework participate in two comprehensive examinations and, if successful, are admitted to doctoral candidacy. They then complete a formal internship and the dissertation process.

The sequence of courses generally takes two years, including Summer semesters. Full time attendance is required. Students who do not have a master's degree in marriage and family therapy will have to complete additional coursework and clinical experience to meet the standard curricular requirements of COAMFTE. All students will complete a nine (9) or twelve (12) month internship and at the time of graduation would have documented at least 1000 direct client contact hours with appropriate supervision in their clinical training record.

The MFT faculty emphasize evidence-based therapies. Feminist, minority, and gay, lesbian and bi-sexual issues are included and students are also encouraged to explore new ideas.

Clinical Training

Students are required to be in clinical training beginning from the first semester until their graduation. In recent years, student therapists at the center have worked with a variety of clients from a broad spectrum of socio-economic and ethnic backgrounds. Presenting problems have included difficulties in couples and family relationships, parent issues, divorce and post-divorce issues, sexual and physical abuse, domestic violence, alcohol and substance abuse, self esteem issues, depression, anxiety, blended families, school stress, marital and premarital issues, and court ordered therapy.

Supervision

The clinical faculty in accordance with COAMFTE guidelines conducts supervision. Supervision has ranged across reflecting teams, in-the-room supervision, traditional live and videotaped, group and individual supervision. At least one hour of supervision is provided for five hours of client contact on a weekly basis for all registered practicum students.

Research

Students and faculty have collaborated in a wide range of clinical and theoretical research projects and articles, from traditional quantitative studies to qualitative studies. This information covers only a small part of the Interdivisional Programs Policies and Procedures. For additional information, please contact the Interdivisional Program Office, at (850) 644-3177.
Department of MATHEMATICS

COLLEGE OF ARTS AND SCIENCES

Chair: DeWitt Summers; Associate Chair: Bowers; Associate Chair for Graduate Studies: Klassen; Director of Basic Mathematics: Stiles; Director of Applied Mathematics: Kopriva; Director of Financial and Actuarial Mathematics: Case; Director of Biomedical Mathematics: Quine; Professors: Aluffi, Bellenot, Bowers, Case, Erlebacher, Fenley Gunzburger, Heil, Huckle, Hussaini, Klassen, Kopriva, Mesterton-Gibbons, Mott, Navon, Nichols, Oberlin, Peterson, Quine, Seppala, Sumners, Tan, Ward. Assistants: Blumack, Ikonaka, Kerechew, Magnan, Marley, Mio, Nolder, Stiles, Van Hoeij, X. Wang; Assistant Professors: Aldrovandi, Bertram, Goncharov, Hurdal; Visiting Professors: Mars, Stephenson; Visiting Assistant Professors: Paris, Sussman; Service Associate Professors: Nielsen, Associates in Mathematics: Blackwelder, Boyd, Dodaro, Grigorian, Wooland; Assistants in Mathematics: Kirby, Kutter, Rogers; Visiting Assistants in Mathematics: Ja. Specht; Professors Emeriti: Bryant, Gilmer, Heerema, Howard, Hunter, Hott, Kreimer, McWilliams, Wright; Courtesy Professors: Bond, Bellenot, Chen, Gallivan, Gan, Lin, Marcoli, Mascagni.

The Department of Mathematics is strongly committed to graduate education and research, and offers programs of study leading to both the master’s (MA and MS) and the doctor of philosophy (PhD) degrees. Its programs are designed to prepare students for mathematical careers in the academic, corporate, and governmental sectors. PhD and master’s degrees are offered with concentrations in applied and computational, biomedical, financial, and pure mathematics.

The department has strong cooperative relationships with science and engineering departments and institutes on campus, including the National High Magnetic Field Laboratory, the School of Computational Science, the Center for Applied Vision and Imaging Sciences, the Geophysical Fluid Dynamics Institute, and the Institute for Molecular Biophysics. The faculty working in biomedical mathematics look for developing a close relationship with working in biomedical mathematics and other areas, or pursue educational, applied and computational mathematics.

Mathematics.

The faculty of the department includes a Francis Eppes Professor, two Robert O. Lawton Distinguished Professors, an Eminent Scholar Chair in High Performance Computing, two Distinguished Research Professors, three faculty holding named professorships, two recipients of Developing Scholar Awards, and more than a dozen recipients of University Teaching and Advising Awards. The faculty have a wide range of research programs in algebraic geometry, number theory, probability, financial mathematics, and operations research. The faculty specializes in biotechnology, computational geometry and history of mathematics; commutative algebra; complex analysis; computational acoustics; computational biology; computational fluid dynamics; computational rheology; computer vision and pattern recognition; conformal mapping of anatomical regions; credit risk; cryptography; dynamical systems; dynamics, stochastic, and statistics of financial models; evolutionary game theory; fixed income modeling; fluid dynamics; gauge theory; geometric topology; harmonic analysis; high performance computing; history, biography, and sociology of mathematics; human brain mapping; knotting of DNA; Levy and self-similar processes in finance; mathematical physics; multiphase flows; multiscale modeling; number theory; numerical analysis; numerical approaches to financial problems; optimal control and optimization; partial differential equations and their applications; Riemann surfaces; pension and mortgage modeling; portfolio risk; probability; financial mathematics; and specialized fields such as dynamic economic models; symbolic computation; visualization; and wave propagation.

For all students, the University provides remote Internet access (including wireless access across much of campus), course web pages and communications, and access to a number of learning technologies.  For additional information, see the departmental website and links at http://www.math.fsu.edu. For more information about computing resources at FSU, see http://www.acns.fsu.edu.

Graduate Requirements

Please review all university- and college-wide degree requirements summarized in the appropriate chapter of this Graduate Bulletin.

The student should obtain revisions enacted since this publication to the degree guidelines and course information listed below from the departmental website and office. Graduate students in mathematics are strongly encouraged to perform some teaching or research assistantships as part of their professional development; optimal control and optimization; partial differential equations and their applications; Riemann surfaces; pension and mortgage modeling; portfolio risk; probability; financial mathematics; and specialized fields such as dynamic economic models; symbolic computation; visualization; and wave propagation.

Master’s Degree

The department offers four major options for the master’s degree. Course choices within the guidelines of a major are made in conference with the director of a program or an advisor appointed by the chair of the department. For all options, the student should consult the updated degree guidelines and requirements and additional information available at the departmental office and on the website.

Hours from the courses MAT 591r, 592r, 594r, and 5946r are not applicable toward any program; MAT 590r, seminars, and internships may be applied toward any one of the departmental permission. No 4000-level course in this department may count toward the master’s degree. A student who has successfully completed MAT 8964 and is admitted to doctoral candidacy will be deemed to have qualified for a master’s degree subject to the University’s requirements. Options A and B may be either course type (thirty-two  [32] or more semester hours of graduate courses with a comprehensive examination and excluding MAT 5971r) or thesis-type (thirty [30] or more hours including six [6] semester hours in MAT 5971r and appropriate thesis defense). These options will include at least twenty-two (22) semester hours in courses offered by the department. A student may pursue a “Directed Program of Study” with a particular object or concentration motivating substitutes for some requirements but including most of those of A or B below. For example, a student interested in preparing for mathematics specialist or community college teaching may arrange a relevant program. Early planning of a relevant program is necessary, and the student should work closely with a faculty member from the first semester of residence.

Options C and D are professional degrees requiring thirty-six (36) semester hours including a final semester teaching or research assistantship. Students develop a mix of mathematical, statistical, and computational skills underpinning specialized knowledge in science, finance, or economics.

A. Mathematics. The pure mathematics option gives the student a well-rounded exposure to the foundations of modern mathematics. Coursework includes graduate sequences in algebra, real and complex analysis, and topology. Electives include more advanced courses in these disciplines as well as more applied topics such as symbolic computation, modeling, and statistics. The Master’s degree in pure mathematics provides excellent preparation for many careers in education, industry and government. It is a natural first step for those students who wish to pursue a PhD, either in mathematics or in some other discipline which uses mathematics or rigorous logical thinking.

B. Applied and Computational Mathematics. This option provides students with interdisciplinary and educational experiences in modeling, analysis, teaching, and simulation for problems arising throughout mathematics, sciences and engineering. There are currently two tracks within this option: the applied mathematics track and the computational mathematics track. After completing this master’s degree, students may choose to pursue a doctoral degree in the area of applied and computational mathematics or related areas, or pursue educational, financial, industrial or governmental jobs involving applications of mathematical and computational skills.

C. Financial Mathematics. This professional degree prepares students...
for work in financial institutions and markets as well as for doctoral research in mathematical finance. A yearly two-day conference—the Financial Mathematics Fellows—offers a unique opportunity for the financial sector to talk about the problems they solve and the opportunities available. In cooperation with faculty from computer science, economics, finance, risk management, and statistics, a student’s program is designed to include individually appropriate choices meeting the guidelines. A minor concentration in actuarial science may be elected within the degree requirements. Specialized courses have been developed, and students are encouraged to pursue internship opportunities.

D. Biomedical Mathematics. Studies in this interdisciplinary program include specialized mathematics courses, laboratory experiences, and supporting courses from the departments of statistics, biological science, chemistry, computer science, and the Institute of Molecular Biophysics. Coursework, workshops, and corollary activities prepare students to work in bioinformatics or mathematical applications in biology, genetics, biomedicine, or biophysical research. After completing this professional master’s degree, students may choose to pursue doctoral dissertation research with faculty who are actively involved in collaborations with researchers in biology and medicine.

Doctoral Degree

The PhD in mathematics indicates knowledge of mathematics and a demonstrated capacity to do original, independent scholarly investigation. To receive the doctoral degree, the student must complete the requisite courses in a major option area of study, have the agreement of a major professor or co-director within the department to direct the doctoral research in that area, satisfy the requirements for doctoral candidacy, be admitted to doctoral candidacy, and write and defend a dissertation of original and independent research.

Studies leading to the PhD are available related to faculty research in both pure and applied mathematics as well as several interdisciplinary areas, such as biomedical mathematics and financial mathematics. Each area of study specifies its own course and PhD preliminary examination and candidacy requirements. A current list of areas of study with their requirements is available on the departmental website as well as through the departmental office.

The course requirements are chosen to provide the student the flexibility to build a strong basis for research. Courses for the master’s degree in the student’s area of concentration, or their equivalents, are expected to be completed before admission to doctoral candidacy. Standard foundational material that offers breadth is covered in the 5000-level courses; more advanced material that affords depth is offered in topics courses and seminars. Some of these expected courses for the doctoral program may be offered by other departments. The student will be expected to actively participate in at least one of the seminar series offered by the department, and to regularly attend the weekly mathematics colloquium. After admission to doctoral candidacy, registration and participation in the appropriate seminar is required, for a minimum of three (3) semesters.

A doctoral student in mathematics must demonstrate proficiency in a minor; normally this is accomplished by completing six (6) or more semester hours in an approved mathematics related subject with a grade point average (GPA) of at least 3.0. The specific requirements for the minor may vary by major option area. If the minor is in mathematics, these hours must be outside the list of courses published for the doctoral preliminary examination in the student’s area (and not part of the master’s for that area). At the discretion of the student’s doctoral supervisory committee, the student may be required to demonstrate competence in research tools appropriate to the student’s program of studies. Such tools may include a reading knowledge of one or more foreign languages, technological skills or other competencies.

After students are admitted to doctoral candidacy, the writing of a dissertation becomes their major concern, although further coursework and participation in seminars are usually required. The defense of dissertation must be held within five years after admission to doctoral candidacy; if this time limit is not met, the student may be required to repeat the preliminary examination.

Definition of Prefixes

MAA — Mathematics: Analysis
MAD — Mathematics: Discrete
MAP — Mathematics: Applied
MAS — Mathematics: Algebraic Structures
MAT — Mathematics
MTH — Mathematics: History and Foundations
MTG — Mathematics: Topology and Geometry
OCP — Physical Oceanography

Prerequisite Courses

MAA 4227 Advanced Calculus II (3)
MAA 4402 Complex Variables (3)
MAC 2312 Calculus with Analytic Geometry II, III (4, 5)
MAC 3205 Calculus with Analytic Geometry II (3, 5)
MAC 3211 Multivariable Calculus (4)
MAC 3213 Calculus with Analytic Geometry III (4, 5)
MAC 3233 Calculus with Analytic Geometry III (4, 5)
MAC 3235 Applied Calculus I (3)
MAC 3248 Calculus with Analytic Geometry IV (4)
MAC 3306 Vector Calculus with Introduction to Tensors (3)
MAC 4170 Introduction to Actuarial Mathematics (4)
MAP 3431, 3432 Elementary Partial Differential Equations I, II (3, 3)
MAS 3105 Applied Linear Algebra I (4)
MAS 4302 Introduction to Abstract Algebra I, II (3, 3)
PHY 2048C General Physics [for Physical Sciences] (5)
STA 3422 Mathematical Statistics (3)
STA 4442 Introductory Probability I (3)

(See also the General Bulletin for full course descriptions.)

Graduate Courses

Note: prerequisites are stated by number from the above list of FSU courses. The equivalent course at another institution or consent of the instructor is sufficient.

MAA 5306, 5307. Advanced Calculus I, II (3, 3). Prerequisites: MAA 2313, MAS 3105. Functions, sequences, limits, continuity, uniform continuity; integration; convergence, uniform convergence.

MAA 5406, 5407. Theory of Functions of a Complex Variable I, II (3, 3). Prerequisites: Graduate standing. Algebra and geometry of complex numbers; elementary functions and their mappings. Analytic functions; integration in the complex plane; Cauchy’s integral theorem and related theorems. Representation theorems including the Taylor and Laurent series. Calculus of residues and conformal mappings.

MAA 5616, 5617. Measure and Integration I, II (3, 3). Prerequisites: MAA 4227 or 5307; Lebesgue measure and integration; Banach spaces of integrable functions; abstract measure and integration.

MAA 5721. Computer Analysis (3). Prerequisites: MAA 4227 or 5307; MAA 4402 or 5406. Automatic differentiation, automatic integration, indefinite summation; applications to partial differential equations; advanced topics in complex analysis.

MAA 5902r. Topics in Analysis (1–3). Prerequisite: Consent of instructor. May be repeated to a maximum of twelve (12) semester hours.

MAD 5305. Graph Theory (3). Prerequisite: Graduation and basic graph theory. Graphs and digraphs, connectivity, Euler and Hamilton tours, colorings, matchings, planarity and Ramsey theorems, applications. A proof-oriented course that assumes no previous exposure to graph theory but assumes a certain level of mathematical maturity.

MAD 5403. Foundations of Computational Mathematics I (3). Prerequisites: Linear algebra, competence in a programming language suitable for numeric computation. Matrix analysis, conditioning, errors, direct and iterative solution of linear systems, rootfinding, systems of nonlinear equations, numerical optimization.


MAD 5420. Numerical Optimization (3). Prerequisites: MAD 2313; MAS 3105; C, C++, or Fortran. Unconstrained minimization; one-dimensional minimization, including steepest-descent, Newtons method, quasi-Newton methods, conjugate-gradient methods, and relevant theoretical convergence theorems. Constrained minimum problems; Kuhn-Tucker theorems, penalty and barrier methods, duality, and augmented Lagrangian methods. Introduction to global minimization.


MAD 5738, 5739. Numerical Solution of Partial Differential Equations II (3, 3). Prerequisites: MAD 5708; MAD 4342 or 5346. Finite difference methods for parabolic, elliptic, and hyperbolic problems; consistency, convergence, stability.


MAD 5757. High Order Finite Difference Methods for Computational Acoustics and Fluid Dynamics (3). Prerequisites: MAD 4575, MAD 5738. High order finite difference methods. Discretization; artificial selective damping; numerical stability; radiation, inflow and outflow boundary conditions; wall and no-slip condition requirements; boundary layer effects; nonlinear acoustic waves; design of computational algorithms for direct numerical simulation.

MAD 5902r. Topics in Computational Mathematics (1–3). Prerequisite: Permission of instructor. May be repeated to a maximum of twelve (12) semester hours.

MAD 5309. Mathematical Modeling (3). Prerequisites: MAD 5708, MAP 5431, 5345. Formulation and application of mathematical models for problems arising in the natural sciences, engineering, economics, and industry. Related mathematical topics, including dimensional analysis and scaling, role of dimensionless numbers, perturbation methods, self-similar solutions, traveling wave solutions, similarity solutions and symmetry breaking, bifurcations, inverse problems and regularization techniques.


Calculus of Variations (3). Prerequisites: MAP 2302; MAA 3506 or 5207. Fundamental problems, necessary and sufficient conditions, Legendre-Jacobi theory, dynamic programming, control theory, and Pontryagin’s maximin principle.

Partial Differential Equations I (3). Prerequisites: MAC 2313; MAP 2302 or 3305. Separation of variables; Fourier series; Sturm-Liouville problems; multidimensional problems; boundary value problems; Bessel functions and Legendre polynomials.

Elementary Partial Differential Equations II (3). Prerequisite: MAP 4341 or 5345. Solution of first order quasi-linear partial differential equations; classification and reduction to normal form of linear second order equations; Greens function; infinite domain problems; the wave equation; radiation condition; spherical harmonics.

Finite Element Methods (3). Prerequisites: MAP 2302; MAP 4341; MAS 3105; C. C. or Fortran. Methods of weighted residuals, finite element analysis of one and two-dimensional problems, isoparametric elements, time dependent problems, algorithms for parabolic and hyperbolic problems, applications, advanced Galerkin techniques.

Complex Variables, Asymptotic Expansions, and Integral Transforms (3). Prerequisites: MAP 4341 or 5345; MAA 4402 or 5406. Ordinary differential equations in the complex plane; special functions; Asymptotic methods: Laplace method, steepest descent, stationary phase, WKBJ Integrals transforms: Fourier, Laplace, Hankel.

Introduction to Fluid Dynamics (3). Prerequisites: MAC 2313; MAS 3105. Mathematical tools: symbolic and numerical mathematical software packages, matrix computations, rotation matrices, Euclidean motion, tangles, continuous and discrete curves in space, torsion angles, gram and distance matrices, graphs, string matching algorithms, Fourier series, conformal mapping. Applications such as: protein secondary structure; structure determination by crystallography and NMR; writhing, twisting and knotting of DNA; nucleotide and amino acid sequence alignment; brain mapping.

Computational Methods in Biology (3). Prerequisites: MAP 5485. This course introduces biological topics where mathematical and computational methods are applicable, including discrete and continuous models of biology, discrete optimization problems for differential equations, nonlinear differential equations, and stochastic methods.

Wave Propagation Theory (3). Prerequisites: MAP 4342 or 5346; MAP 4341. Phase group velocities, dispersion, reflection, characteristics, shock formation, momentum and energy transport, and nonlinear effects. Applications: shallow water waves, internal waves, Rossby waves, and seismic waves. The Korteweg-DeVries equation and solutions.

Introduction to Financial Mathematics (3). Prerequisites: MAC 2313; MAP 2302, 3305 or 3306; MAS 3105; STA 4442. Partial differential equations, Brownian motion, Black-Scholes analysis, introduction to measure and probability; financial applications.

Introduction to Computational Finance (3). Prerequisites: MAP 5601; C. C. or appropriate computer language. Computational methods for solving mathematical problems in finance: basic numerical methods, numerical solution of one and two-dimensional equations, including convergence and stability, solution of the Black-Scholes equation, boundary conditions for American options and binomial and random walks.

Topics in Applied Mathematics (3–6). Prerequisite: Permission of instructor. May be repeated to a maximum of six (6) semester hours.

Topics in Algebra I, II (3, 3). Prerequisite: MAA 5308. Group, rings, and fields; direct products, algebraic fields, rings and ring mappings; extensions of rings and ring mappings; Galois theory; structure of fields; valuations.

Algebraic Structures I, II (3, 3). Prerequisite: Permission of instructor. May be repeated to a maximum of six (6) semester hours.

Computer Algebra I, II, III (1, 1, 1). Prerequisite: Permission of instructor. May be repeated to a maximum of six (6) semester hours.

Algebraic Topology I, II (3, 3). Prerequisite: Permission of instructor. May be repeated to a maximum of six (6) semester hours.

Riemannian Geometry (3). Prerequisite: Permission of instructor. May be repeated to a maximum of six (6) semester hours.

Algebraic Geometry (3). Prerequisite: Permission of instructor. May be repeated to a maximum of six (6) semester hours.

Number Theory (3). Prerequisite: Permission of instructor. May be repeated to a maximum of six (6) semester hours.

Computational Finance (3). Prerequisite: Permission of instructor. May be repeated to a maximum of twelve (12) semester hours.

Fluid Dynamics: Geophysical Applications (3). Prerequisites: MAP 5431, 5346; or consent of instructor. Shallow water theory, Poisson, Kelvin, and Rossby waves; boundary layer theory; wind-driven ocean circulation models; quasigeostrophic motion on a sphere, thermocline problem; stability theories. Also offered by the departments of Oceanography and Meteorology.

Advanced Topics in Analysis (3). May be repeated to a maximum of twelve (12) semester hours.

Advanced Topics in Numerical Analysis (3). May be repeated to a maximum of twelve (12) semester hours.

Advanced Seminar in Scientific Computing (1). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

Advanced Topics in Hydrodynamics (3). May be repeated to a maximum of eighteen (18) semester hours.

Advanced Topics in Applied Mathematics (3). May be repeated to a maximum of twelve (12) semester hours.

Financial Engineering I (3). Prerequisites: FIN 5515, MAP 5601, 5611 (Recommended: STA 5807). This course is a quantitative preparation for the investment industry. Topics include an analysis of active portfolio management including risk factor models and mean-variance optimization, the Martingale approach to derivative pricing for both discrete and continuous models, applied stochastic calculus, and stochastic interest rate models.

Advanced Seminar in Applied Mathematics (1). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

Directed Individual Study (1–4). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

Directed Individual Study (1–4). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

Directed Individual Study (1–4). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

Directed Individual Study (1–4). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.
Department of MECHANICAL ENGINEERING

FAMU—FSU COLLEGE OF ENGINEERING

Chair: Chiang Shih; Professors: Chandra, Chen, Collins, Gielisse, Krothapalli, Lourenco, Schwartz, Shih, Van Dommelen, Van Sciver; Associate Professors: Alvi, El-Azab, Hollis, Hrudya, Kalu, Luongo; Assistant Professors: Cartes, Foreman; Visiting Assistant Professors: Moore, Ordonez, Affiliated Faculty: Buzyna, Garmire, Ilt, Imam, Hussain, Tam; Adjunct Faculty: Bickley, Booshehgh, Moore, Vaghar

The Department of Mechanical Engineering offers two graduate degree programs: the master of science (MS) and the doctor of philosophy (PhD). The graduate program in mechanical engineering is designed to provide students with the knowledge and expertise to begin a productive career in engineering practice or research, a career that probably will span a period of three to five decades. Although it is not possible to teach everything that one needs to know in the graduate program, the program provides the student with the skills, knowledge and philosophy that will enable the student to continue to grow throughout his/her career. The graduate training a student receives emphasizes a fundamental approach to engineering whereby the student learns to identify needs, define problems and apply basic principles and techniques to obtain a solution. This philosophy is incorporated in classroom lectures, laboratory activities, design projects, and research.

It is essential that a successful department cultivate and maintain a diverse and dynamic program that is nationally recognized. The department is actively involved in basic research, which expands the frontiers of knowledge, as well as applied research designed to solve present and future technological needs of society. The major research activities are focused in three primary areas: fluid mechanics and heat transfer, solid mechanics and material science, and dynamic systems and controls (including mechatronics and robotics). State-of-the-art laboratories are associated with each of these areas. In addition, much of the research is conducted in cooperation with the National High Field Magnetic Laboratory (NHMFL), the School of Computational Science and Information Technology (CSIT), the Center for Material Research and Technology (MARTECH), and the Center for Nonlinear and Nonequilibrium Aero Science.

A complete description of the mechanical engineering graduate program, including recent changes, may be found at http://engineering.fsu.edu/

Research Programs and Facilities

The Advanced Mechanics and Materials Laboratory (AMML) is primarily involved in the computational modeling and thermo-mechanical characterization of high performance materials. The research recognizes that there needs to be a paradigm shift from generating new materials purely from experimental methods to the use of computer models to effectively identify potential material systems. This is seen as the ideal way to develop advanced materials to meet the increasing demands of future space and automotive applications in a timely fashion. The overall objective of the laboratory is to engineer materials and structures with properties that could be put to use in space and automotive applications. The AMML is equipped with excellent facilities, including a highly automated Materials Testing System (MTS 810) and a Scanning Electron Microscope. The computational facilities include a network of dedicated workstations (VAX, Silicon Graphics and Macintosh). There is also a direct link to a supercomputer at The Florida State University (a Silicon Graphics Power Challenge XL).

The Program in Computational Fluid Dynamics involves algorithm development and application in the areas of: 1) unsteady flows with large- scale separation; 2) computational and mathematical acoustics; 3) unsteady biofluid mechanics; 4) modeling of turbulent flows; and 5) parallel solution of partial differential equations. These are areas of considerable interest, as well as physical importance, that pose paradigm changes to aeronautical research. The computational program is supported by the School of Computational Science and Information Technology (CSIT) at The Florida State University, which operates an 168 node IBM SP-3 with 84 gigabytes of memory, as well as a heterogeneous computer cluster and server mid-range computers. SP-3 with 84 gigabytes of memory, as well as a heterogeneous computer cluster and server mid-range computers.

The Cryogenics Laboratory is a fully equipped facility for the conducting of low-temperature experimental research and development. The laboratory, which occupies approximately 400 m² at the National High Magnetic Field Laboratory (adjacent to the College of Engineering), supports research and development projects in a wide variety of technical fields. Numerous experimental apparatus are available within the Cryogenics Laboratory for research projects. The Liquid Helium Flow Facility (LHFF) consists of a 5 m long, 20 cm ID horizontal cryogenic vessel with vertical reservoirs at each end containing circulation pumps and other hardware. The facility includes transverse viewing ports for flow visualization studies. The Cryogenic Helium Experiment Facility (CHEF) consisting of a 3 m long, 0.6 m ID cryogenic vessel with N₂ and He temperature thermal shields. CHEF is equipped with a high-volume flow bellows pump capable of up to 5 liters/s. The Cryogenic Particle Image Velocimetry (PIV) facility, including apparatus to perform micro-scale imaging studies of flow fields in cryogenic fluids. A cryogenic vessel with optical windows, dual head pulse Nd:YAG laser and image processing equipment are included in the facility. Currently, this facility is being used to develop neutral density particles, including solid fluidized bed and liquid helium. A cryogenic transport property measuring facility that includes a two stage GM Cryocooler with compressor that can achieve Tmin = 10 K and provide 30 W at 20 K and 60 W at about 70 K. All cryogenics facilities are supported by a full complement of cryogenic hardware to measure and control cryogenic temperature and pressure. Research in this area is focused on the optimization of cryogenic research designed to solve present and future technological needs of society.

The AMML contains all necessary equipment to perform modern cryogenic experiments. High vacuum equipment including a mass spectrometer leak detector and two portable turbo pump systems provides the thermal isolation. A high-capacity cryogenic cryo-refrigeration unit (500 liter/s) is used to support sub-atmospheric experiments including those with superfluid helium.

Research in controls and mechatronics encompasses many different but related topics that can be divided into four broad areas: robust control, mechatronics and robotics, applications of adaptive and intelligent control, and computer aided design. In robust control research, emphasis is on the development of optimization-based, control synthesis techniques for the design of fixed-architecture, robust controllers for mechanical systems (e.g., jet engines and magnetic bearings) with uncertain dynamics. Mechatronics is an interdisciplinary design methodology based upon a synergistic integration of fundamental procedures and techniques from mechanical, electrical, and computer engineering. Research in this area involves the use of specialized microelectronic sensors, actuators, and processors. In the area of robotics the objective is to develop traditional control strategies to monitor and control wheeled mobile robots. Adaptive and intelligent control focuses on distributed knowledge based control techniques for linear and nonlinear systems, which allow processes to adapt to changes in parameters and learn to respond properly under rapidly changing conditions. Research in this area requires highly integrated mechanical engineering, electrical and computer engineering, and computer science solutions and is conducted in the Power Control Lab of the Center for Advanced Power Systems.

The research conducted in the Computer-Aided Design facility (CAD) involves computer modeling of complex systems, such as solid assemblies, followed by the simulation of these same systems. The CAD facility is currently well equipped with IBM RS/6000 workstations, Silicon Graphics Indy workstations, multimedia Pentium personal computers, and several laser and color inkjet printers.

The Fluids and Materials Research Laboratory (FMRL) is a well-established, nationally recognized laboratory with a diverse and dynamic research program. A number of faculty and scientists actively and collaboratively conduct research at FMRL, examining a broad range of fluid dynamic problems. The main areas of research are in high-speed flows and their control and the development of non-invasive diagnostics for the study of complex flows. The laboratory contains a number of state-of-the-art testing and diagnostic facilities, not commonly available at university research centers. Some of these facilities include the following: a recently built Hot Jet Anechoic Facility capable of operating up to 2000 °F; a high vacuum facility with superfluid helium. A cryogenic transport property measuring facility that includes a two stage GM Cryocooler with compressor that can achieve Tmin = 10 K and provide 30 W at 20 K and 60 W at about 70 K. All cryogenics facilities are supported by a full complement of cryogenic hardware to measure and control cryogenic temperature and pressure. Research in this area is focused on the optimization of cryogenic research designed to solve present and future technological needs of society. A STOVL (Short-Take Off Vertical Landing) Hover Test Facility that is used mainly to study and control jet-induced aerodynamic phenomena on STOVL models during hover; an aerodynamic phenomena on STOVL models during hover. Research in this area is focused on the optimization of cryogenic research designed to solve present and future technological needs of society.
control of supersonic impinging jets; control of supersonic cavity flows; development of high-fidelity, three-dimensional Particle Image Velocimetry (3D-PIV); control of separated flows in engine inlets; supersonic flows at micro-scales; and aerodynamic behavior of supersonic jets issuing from nozzles of various geometry. Research is supported by and conducted in close collaboration with industry and government agencies, such as Boeing, NASA, Office of Naval Research (ONR) and Air Force Office of Scientific Research (AFOSR). Over the past few years, research has been funded at a level of $1 - 1.5 million/year.

The High Temperature Superconductors Magnets and Materials Laboratory (HTSMML) involves experimental and computational research that advances the fundamental understanding and applications of high-temperature superconducting materials. HTSMML research is interdisciplinary, involving materials processing, composite mechanical behavior, and electrical-magnetic-mechanical properties of these emerging technical superconductors. This research includes the investigation of the key obstacles to implementing HTS materials in practical applications. Current program directions include the development of a 5 T insert coil, coil design optimization, electro-mechanical behavior of conductors for power applications, magneto-optical imaging of YBCO coated conductors subjected to axial tension, quench propagation measurements, ac loss measurements, processing of low ac loss conductors, processing of alternative conductor materials, and texturing of materials within high magnetic field. Computational research is motivated by the experimental research. Research in the HTSMML is lead by Professor Justin Schwartz and includes research staff from the NHMFL and the Center for Advanced Power Systems, post-doctoral researchers, graduate students, and undergraduate students.

Research programs in the Materials Processing and Applications Laboratory focus on the development of processes that put high performance materials into actual system or device applications. As such, the programs tend to be inter-disciplinary and cooperative research efforts often are carried out with industrial firms. The laboratory’s aim is to provide novel ideas and approaches to solutions of engineering problems in cutting edge technologies and to educate students in complex real-life settings. Accomplishments include the development of a magnetometer system for nondestructive analysis of materials and the development of a software design tool for multilayer structures. Physical property measurements of materials are being conducted in a variety of areas, including the measurement of the thermal expansion of materials at cryogenic temperatures by digital micro-image processing.

Research in the Materials Testing and Characterization Laboratory is focused on the investigation of processing-structure-property relationships in advanced materials. Materials of interest include but are not limited to high-temperature materials (titanium aluminides and their composites), low elastic materials (titanium and aluminum), superconducting materials, and high-strength conductors and polymeric matrix composites. The program is divided into three areas of specialization: processing and testing, materials characterization, and micromechanical modeling. Research in processing and testing employs deformation processing, such as rolling, forging or wire drawing to improve the mechanical properties of materials. Research in materials characterization aids in the improve-ment of the mechanical properties of materials by identifying and measuring vital metallurgical parameters at several stages of processing. The microstructural characterization facility consists of optical microscopes, an X-ray diffractometer, a scanning electron microscope, and an environmental scanning electron microscope. Research in micromechanical modeling relates the micromechanics to mechanical properties such as stress, strain rate and hardness.

Graduate students participating in research are provided office space in the laboratories and have access to substantial staff support from their research group.

Master of Science

The department offers a thesis-type program and a course-type program for the master of science (MS) degree. The program includes common core courses, depth courses in the student’s major area, and breadth courses in other areas of mechanical engineering outside the student’s area of focus. Currently, depth courses are offered in the general areas of fluid mechanics and heat transfer, mechanics and material science, and dynamics and control, including robotics and mechatronics. A total of thirty (30) semester hours of coursework is required to complete the program under the thesis option, while thirty three (33) credit hours are required under the non-thesis option. A complete catalog detailing the program is available in the department or may be found on the department website.

Admissions

For admission, candidates should possess a bachelor’s degree in mechanical engineering or a related discipline from an accredited institution. Students who do not possess such a degree will be required to complete a department-designated sequence of undergraduate courses with grades of “B” or better. Candidates should meet all other University requirements for admission, including the Graduate Record Examinations (GRE).

General Requirements

All students must take the following minimum distribution of courses (thirty [30] semester hours under the thesis option; thirty-three [33] semester hours under the non-thesis option.)

Common Core Courses

Fifteen (15) semester hours: EML 5060, Analysis in Mechanical Engineering (3), two (2) of the core courses in the major area (either dynamics and controls, solid mechanics and materials, or fluid mechanics and heat transfer), and one (1) course in each of the two remaining areas.

Core courses in dynamics and controls: 
- EGM 5444, Advanced Dynamics (3); EML 5317, Advanced Design and Analysis of Control Systems (3).

Core courses in solid mechanics and materials: 
- EGM 5611, Introduction to Continuum Mechanics (3); EGM 5653, Theory of Elasticity (3); EML 5930r, Special Topics in Mechanical Engineering (1–6).

Core courses in fluid mechanics and heat transfer: 
- EML 5152, Fundamentals of Heat Transfer (3); EML 5709, Fluid Mechanic Principles with Selected Applications (3).

Major Depth Area

Six (6) semester hours: two (2) additional courses from the student’s chosen depth area.

Additional Free Elective Courses

Three (3) semester hours: courses selected from an approved list in consultation with the student’s adviser. Courses may include EML 5905r, 5910r, and 5930r.

Thesis Option Requirements

In addition to the above general requirements, students must take a minimum of six (6) semester hours of EML 5971r, Thesis (3–6), and EML 8976r, Masters Thesis Defense (0). Of the courses taken, at least twenty-seven (27) semester hours must be taken on a letter-grade basis.

Non-thesis Option Requirements

In addition to the above general requirements, students must take an additional nine (9) semester hours of coursework selected from an approved list and in consultation with the student’s graduate committee. Of the courses taken, at least thirty (30) semester hours must be taken on a letter-grade basis.

Doctor of Philosophy

Before students can be admitted to candidacy for the doctor of philosophy (PhD) degree, they must satisfy the following requirements: 1) the student should have fulfilled the department’s requirements for the master’s degree or its substantial equivalent; 2) passed the doctoral qualifying examination, usually taken during the second semester of the program; if the student enters the program with an MS degree in mechanical engineering; and 3) the student should have completed three units of supervised research (EML 5910r). A complete catalog of requirements may be obtained from the department.

Research on the doctoral dissertation may not be started formally prior to passing the preliminary examination.

After selecting an area for study and research, a candidate, in consultation with their dissertation supervisor, forms a doctoral dissertation committee, which assists in the formulation of research and study programs and monitors the candidate’s progress. The subjects selected to fulfill the major and minor program requirements must be approved by the committee. The candidate’s mastery of the major area is tested by an oral general examination (preliminary examination) administered by the doctoral dissertation committee after completion of the major subjects.

Demonstrated ability to perform original research at the forefront of mechanical engineering is the final and major criterion for granting the doctoral degree. The candidate’s dissertation and publications in archival journals serve, in part, to demonstrate such competence; on completion it is defended orally in a public seminar before the doctoral dissertation committee, which may then recommend the awarding of the degree.

Course Requirements

Beyond the master’s degree a total of forty-five (45) additional semester hours of work is required, of which twenty-one (21) semester hours must be letter-graded course work. Normally, continued registration is expected for each semester the student requires departmental consultation in
Prerequisite: EML 5361. (S/U grade only.) A minimum of five (5) semester hours.

EML 5903r. Directed Individual Study (1–6). (S/U grade only.) Prerequisite: Instructor consent. May be repeated to a maximum of six (6) semester hours.

EML 5946e. Professional Internship Experience in Mechanical Engineering (4). This course provides practical experience through working as an intern at selected industry or research laboratories supervised by the on-the-job mentors and by the Department of Mechanical Engineering. The course is designed to provide the student with professional preparation in the area of their future career development.

EML 5971e. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours is required.


EML 6205. Introduction to Artificial Neural Networks (2). Prerequisite: EML 5316. This course covers neural networks and related computational techniques.

EML 6671e. Advanced Topical Courses in Fluid Dynamics (3–6). Prerequisite: EML 5709. Topics covered include the fundamentals and applications of fluid dynamics, including boundary layers, turbulence, heat transfer, and other related phenomena.

EML 6672e. Advanced Computational Fluid Dynamics (3–6). Prerequisite: EML 5709. This course focuses on the numerical methods used in solving the Navier-Stokes equations and includes topics such as high-order numerical methods, parallel computing, and adaptive mesh refinement.

EML 6689. Dissertation (1–12). (S/U grade only.) May be repeated to a maximum of forty-eight (48) semester hours.

EML 6966e. Master’s Comprehensive Examination (0). (P/F grade only.) May be repeated twice.

EML 6968. Preliminary Doctoral Examination (0). (P/F grade only.) May be repeated twice.

EML 6976e. Master’s Thesis Defense (0). (P/F grade only.) May be repeated twice.

EML 6985e. Dissertation Defense (0). (P/F grade only.) May be repeated to a maximum of three (3) times.

Graduate Courses

EGM 5351. Introduction to Finite Element Methods of Analysis (3). Prerequisite: EGM 5564. Study of variational principles, weak formulation, finite element formulation of second and fourth order equations, and computer code development.

EGM 5443. Advanced Dynamics (3). Prerequisites: EGM 4132; EML 5322; EML 5354; MAP 3306. Topics include particle and rigid body kinematics, particle and rigid body kinetics, D’Alembert Principle, Lagranges equations of motion, system stability, computational techniques, orbital dynamics, multibody dynamics.


EGM 5704. Advanced Engineering Thermodynamics (3). Prerequisite: EML 5152. General principles of thermodynamics: kinematics and properties of thermodynamic systems, development of formal relationships and principles for general systems; application to pure substances, multicomponent mixtures, chemical and nuclear reactions, and electric circuits. Conservation of energy and entropy, entropy generation in thermodynamic systems. Thermodynamics of different materials and substances. Energy conservation and the second law of thermodynamics. Entropy and the concept of irreversibility.

EGM 5710. Introduction to Gas Dynamics (3). Prerequisites: EML 3101, 3701. Concentrates on the unique features of compressibility in fluid mechanics. It provides the student with sufficient knowledge of the fundamentals of compressible fluid flow and is basic to studies in high-speed aerodynamics, propulsion, and turbomachinery.

EGM 6066. Introduction to Fluid Dynamic Flows (3). Prerequisites: EGM 4546; EML 5709. Topics for this course include introduction to conservation laws in fluid mechanics, shock waves, reattachment, equations for subsonic, transonic, and supersonic flows; and solution system of equations. In particular, upwind schemes and flux splitting will be introduced in solving the Euler equations. Coordinate transformation and grid generation methods will also be covered.

EGM 6082. Introduction to Robotics (3). Prerequisite: Graduate standing in mechanical engineering. A study of the fundamentals of robot operation and application including: basic elements, robot actuators and servo-control, sensors, vision, voice, microprocessor system design and computers, kinematics and equations, and motion trajectories.
The Florida State University College of Medicine provides a four-year program of study leading to the medical doctor (MD) degree. Receipt of the medical doctor degree is a requirement for medical residency programs and is a prerequisite for the practice of medicine.

The purpose of the College of Medicine MD Program is to train generalist physicians for practice in ambulatory settings, specifically, for practice in ambulatory settings, specifically, rural, inner city and geriatric patients in the state of Florida. Graduates of the Ph. D. in Biomedical Sciences will be prepared to join the scientific workforce trained for careers in an interdisciplinary environment.

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.
This course is a continuation of the first-year doctoring course. It emphasizes normal biological development across the life span.

BMS 6101. Doctoring 102 (6). This course is a continuation of the first-year doctoring course. It emphasizes an introduction to diagnostic reasoning and clinical decision-making.

BMS 6104. Systemic Pathology and Laboratory Medicine (6). Prerequisite: BMS 6001. This course is a detailed study of normal and pathological biochemical, and biological behavior of various diseases are covered. Functional and clinical implications are presented through the use of laboratory testing for diagnosis and treatment.

BMS 6706C. Clinical Neuroscience (6). The study of clinical neuroscience and its role in modern medicine, including the use of imaging technology and functional neuroanatomy. This course lays the foundation for future work in neurology and enables students to understand neural function and the nature of neurological disorders.

BMS 6812. Psychosocial Aspects of Medicine I (2). By focusing on the biopsychosocial context, students learn to apply the biopsychosocial approach to a variety of medical problems, to communicate effectively with patients, and to develop professionally. The focus of the course is the analysis of these issues as they arise in medical cases.

BMS 6821. Health Issues in Medicine (2). This course provides an overview of the lifestyle and clinical issues that patients present in primary care. This course provides an overview of the lifestyle and clinical issues that patients present in primary care.

BMS 6832. Cross-Cultural Medicine (2). (S/U grade only.) This course exposes students to delivery of primary care in a cross-cultural and cross-language setting. This is a culminating experience for students who have worked in diverse medical settings. Students are exposed to pertinent information about Hispanic cultures, particularly those dimensions that may impact the quality of care delivery.

BCC 7110. Third Year Internal Medicine (4). This environment places a premium on physical exam skills, and patients who are medically underserved. Students select from a variety of common pediatric diseases/conditions. Students learn pathophysiology, diagnosis, and management of common problems in general surgery, otolaryngology, orthopedics, OB/GYN, urology, and neurosurgery in hospital and outpatient settings.

BCC 7170. Community Medicine (3). Prerequisites: Successful completion of all year-one and year-two curricula. This environment places a premium on physical exam skills, and patients who are medically underserved. Students select from a variety of common pediatric diseases/conditions. Students learn pathophysiology, diagnosis, and management of common problems in general surgery, otolaryngology, orthopedics, OB/GYN, urology, and neurosurgery in hospital and outpatient settings.

IHS 8960r. Preliminary Doctoral Examination (0). Prerequisite: Completion of 3 year medical school, including completion of M3 J1 Clerkship. This clerkship allows students to enhance their understanding of the management of patients with common clinical presentations encountered in the general practice of internal medicine. This examination is required for students entering Ph.D. candidacy. (S/U grade only.)

IHS 8970r. Dissertation Defense (0). (S/U grade only.) Students present their favored dissertation during the term in which the student expects to defend their Ph.D. dissertation.

Fourth Year Required Clerkships

BCC 7113. Advanced Internal Medicine Clerkship (4).

BCC 7174. Primary Care Geriatrics (4).


BCC 7180. Emergency Medicine (4). Prerequisite: Successful completion of all year-one and year-two curricula. This environment places a premium on physical exam skills, and patients who are medically underserved. Students select from a variety of common pediatric diseases/conditions. Students learn pathophysiology, diagnosis, and management of common problems in general surgery, otolaryngology, orthopedics, OB/GYN, urology, and neurosurgery in hospital and outpatient settings.
**Fourth Year Elective Clerkships**

**Note:** all courses listed below require successful completion of Third Year coursework prior to enrollment in Fourth Year Elective Clerkships.

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<td>BMS</td>
<td>Special Topics in Clinical Anatomy (4).</td>
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<td>Pathology and Basic Laboratory Medicine (4).</td>
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<td>Implications of Health Policy to the Healthcare System (2).</td>
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<td>Special Topics in Geriatrics (2–4).</td>
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<td>Family Medicine with Special Emphasis on Sports Medicine (4).</td>
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<td>Family Medicine in a Setting of Medical Urgent Care (4).</td>
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<td>Women’s Health Issues in At-Risk and Underserved Populations (4).</td>
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<td>Psychosocial Issues in Women’s Health (4).</td>
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<td>Medical Externship in Family Medicine (2–9).</td>
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Department of MATHEMATICS APPLIED PHYSICAL OCEANOGRAPHY

College of Arts and Sciences

Chair: Robert G. Ellington; Associate Chair: *Ruscher; Professor; *Barcilon, Ellington, Fuehler, *T. Krishnamurti, Nicholson, +O’Brien, Ray, *Zou; Associate Professor: Alhquist; *Cui; *Clayson, Kim, *Ruscher; Assistant Professors: *Bourassa, *Cunningham, Liu, *Reasor; Visiting Professor; *Jin; Visiting Assistant Professor: Hart; Professors Emeriti: Feffer, Gleeson, LaSeur, Long, Staley.

+ Also Associate, Institute of Geophysical Fluid Dynamics.
+ Joint appointment with the Department of Oceanography.

The Department of Meteorology was founded in 1949. At that time, the department had the only meteorology program in the southeastern United States. Throughout its history the department has had one of the most meteorology graduates in the country and at present is considered to be one of the top ten departments in the nation for overall excellence of broadly based programs.

Meteorology graduate students are candidates for either the master of science (MS) or doctor of philosophy (PhD) degrees. Graduate students normally specialize in dynamical, physical, synoptic meteorology, or climatology.

Faculty members and graduate students in the department are conducting research in many areas, including air-sea interaction, boundary layer meteorology, climate prediction, data assimilation, design of meteorological networks, large-scale flow, meso-meteorology, numerical weather prediction, ocean upwelling, physical climatology, radar meteorology, radiation physics, remote sensing, satellite meteorology, statistical prediction, tropical circulations, turbulence, and vortex dynamics.

Several major honors have been bestowed upon departmental faculty members. Professor T.N. Krishnamurti has received both the Gustaf Rossby Research Medal and the Second Half Century Award of the American Meteorological Society (AMS) for his outstanding contributions to the fields of dynamic and synoptic meteorology, particularly as they pertain to the structure and evolution of the tropics and tropical monsoon systems. In 1996, he was awarded the International Meteorological Organization Prize from the World Meteorological Organization (WMO) for international collaboration and his outstanding work in meteorology. He also has been named as a Lawton Distinguished Professor at The Florida State University as well as being named one of Florida’s Outstanding Scientists. Professor Robert O. Brien has received both the Sverudpr Gold Medal for his research on the relationship between oceanic oscillations and climate. In addition, he was awarded the initial Distinguished Research Professor at The Florida State University as well as being named the 1999-2000 Robert O. Lawton Distinguished Professor. Four members of the meteorology faculty are Fellows of the AMS, and several members are Fellows of the Royal Meteorological Society. Dr. O’Brien is also a Fellow of AGU and AAAS.

Members of the Department of Meteorology enjoy the benefits from advanced scientific equipment and a cooperative research environment with the departments of Mathematics and Oceanography, the Geophysical Fluid Dynamics Institute, and the School of Computational Science and Information Technology (CSIT). Scientific computations are handled by workstations in the department, including SUN, Silicon Graphics, IBM, Apple and IBM PCs, and PC clones. An advanced meteorological computing laboratory is available to graduate students in the department. The Florida State University also has state-of-the-art supercomputing facilities on campus, accessible by both faculty and students.

GOES and NOAA polar-orbiter satellite images are ingested by our direct readout ground stations and are available in real-time at various locations in the meteorology building and on our website, http://www.met.fsu.edu. The department also maintains an atmospheric instrumentation laboratory to support education and research in the area of experimental meteorology.

The department also is actively involved in K-12 meteorological education initiatives on both the state and the national levels. One such program, EXPLORE!, has received state, national and international recognition for its success in improving elementary and secondary education. This project allows K-12 classrooms to participate in direct observation and retrieval of meteorological data, including satellite imagery, in support of each school’s mathematics and science curriculum. A new building that houses the National Weather Service in Tallahassee is attached to the meteorology/mathematics building, which further strengthens the department’s ties to the operational weather forecast community. Partnerships and internships with the many state government agencies located in Tallahassee continue to offer new opportunities for our students.

Dr. O’Brien directs the Center for Ocean-Atmospheric Prediction Studies (COAPS) which uses knowledge of the ocean to predict climate and provides the climate data to all sectors of Florida. Dr. O’Brien is also the State of Florida Climatologist, which is housed by the department at the COAPS.

College Requirements

Please review all college-wide requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Admission Requirements

Prior work in meteorology is not a requirement for admission to graduate study in the Department of Meteorology, but candidates must have a strong preparation in mathematics and physics. Each student must have completed or must complete undergraduate level work in synoptic meteorology (MET 4500C, 4501C or equivalent), physical meteorology (MET 4420, 4440 or equivalent), and dynamic meteorology (MET 4301, 4302 or equivalent). MET 5311 and 5312 may be used to substitute for MET 4301 and 4302. It is recommended that all graduate students who have not had course work equivalent to MET 2700, 2101, 3300, 3502C independently study this material during their first semester in graduate school, or consider beginning their graduate program in the summer. Students also should have completed mathematics through partial differential equations (MAP 4341 or equivalent), have had a course in FORTRAN programming (CGS 3460 or equivalent), and have had at least one year of physics with calculus. Satisfactory completion of these general requirements is expected to precede graduate level work. A score of at least 1000 on the aptitude test (verbal and quantitative) of the Graduate Record Examinations (GRE) is ordinarily required by the Department of Meteorology, along with a strong undergraduate record. Fellowships and assistanships are available to well-qualified applicants; three letters of recommendation are required.

Master’s Degree Program

A candidate for the master of science degree must satisfy all university-wide master of science requirements. At least eighteen (18) semester hours must be earned on a letter grade basis for the thesis plan and twenty-one (21) semester hours for the course plan. The minimum university requirements are thirty (30) semester hours for the thesis plan and thirty-two (32) semester hours for the course plan, of which supervised research (MET 5910) and supervised teaching (MET 5979) can be used for the master of science degree. Students electing the thesis plan must have credit for at least six (6) semester hours of thesis (MET 5971). All candidates for the master of science degree must satisfactorily pass MET 5930, Master’s Seminar. This includes presentation of a seminar to the department and submission of an approved written version of the seminar. All candidates for the master of science degree must satisfactorily pass MET 5910, Supervised Research.

Doctoral Degree Program

Candidates may specialize in many areas including dynamical, physical, synoptic meteorology, or climatology. Specialization in marine meteorology and air-sea interaction may also be arranged in cooperation with the Department of Oceanography.

All doctoral candidates in meteorology must satisfy the following requirements: 1) the doctoral preliminary examinations, which may be combined with the masters comprehensive examination; 2) one (1) hour of MET 6930 for oral presentation of prospectus and one (1) hour of MET 6930 for oral presentation of dissertation; and 3) an acceptable doctoral dissertation. There is no foreign language requirement.

Definition of Prefixes

MAP = Mathematics Applied
MET = Meteorology
OCP = Physical Oceanography

Graduate Courses

Dynamical Meteorology

MAP 5431. Introduction to Fluid Dynamics (3). Prerequisites: PHY 2048C, MAP 4153. Corequisites: MAP 4341, 3306, 4440 or oral presentation of prospectus. Physical properties of viscous fluids, kinematics of flow fields, governing equations, viscous flow. Also offered by the departments of Mathematics and Oceanography.

MAP 6434r. Advanced Topics in Hydrodynamics (3). Also offered by the departments of Mathematics and Oceanography. May be repeated to a maximum of eighteen (18) semester hours.

MET 5311. Advanced Dynamic Meteorology I (3).

Prequisites: MAP 4341 or 3306, PHY 2048C. Coordinate instructor. Properties of fundamental systems; conservation equations for mass, momentum, and energy; equation of state; scaling; generalized vertical coordinates; geostrophic, gradient, cyclohydrostatic wind; thermal wind; vortex and divergence equations; the omega equation; Reynolds averaging and turbulence; boundary layer and Ekman layer dynamics.

Definition of Prefixes

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MET = Meteorology
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MET 5312. Advanced Dynamic Meteorology II (3). Prerequisite: MET 5311. Scale analysis of the vorticity, divergence, and pressure systems; quasi-geostrophic quasigeostrophic quasi-nondivergent systems; synoptic development of baroclinic disturbances; linear perturbations; sound, gravity, Rossby waves; Baroclinic instability; the two-level model; numerical weather prediction.

MET 5340r. Large-Scale Atmospheric Circulations (5). Prerequisite: MET 4302 or 5312. Large scale atmospheric circulations featuring observational and experimental studies (global distribution of meteorological variables, momentum, and energy budgets; mesoscale circulation; available energy; laboratory studies) and theoretical studies (Eady's baroclinic instability model, integral theorems, numerical models, flow-over topography, jet streams, atmospheric tides). May be repeated to a maximum of six (6) semester hours. May be repeated in the same semester.

MET 5400r. Satellite Observations and Their Applications in Numerical Weather Prediction (3). Prerequisites. MAP 3305 or equivalent computer programming. This course covers techniques, research, and operational applications related to satellite observations and their applications in numerical weather prediction. Students gain hands-on experience and a comprehensive understanding of data assimilation and related application problems in atmospheric science.

MET 5511. Turbulence (3). Prerequisite: MET 4301 or consent of instructor. Elementary analysis of vector fields. Basic concepts of turbulence with emphasis on the mathematical and physical aspects of turbulence. Students learn how the general mathematical concepts and methods are applied to solve practical data analysis and assimilation problems in atmospheric science.

MET 5511. Turbulence (3). Prerequisite: MET 4301 or consent of instructor. Elementary analysis of vector fields. Basic concepts of turbulence with emphasis on the mathematical and physical aspects of turbulence. Students learn how the general mathematical concepts and methods are applied to solve practical data analysis and assimilation problems in atmospheric science.

MET 5520r. Applied Time Series Analysis (3). Prerequisite: MET 4200 or 5311. Cloud Physics (3). Prerequisites: MET 4200, 4450, or consent of instructor. Microphysics of clouds. Development of warm and cold rain processes; hail formation, microphysical parameterizations, microphysical basis for weather modification and electrification.

MET 5541r. Field Methods in Cloud Physics (3). Prerequisite: MET 4440 or 5311, or consent of instructor. Cloud Physics (3). Prerequisites: MET 4200, 4450, or consent of instructor. Microphysics of clouds. Development of warm and cold rain processes; hail formation, microphysical parameterizations, microphysical basis for weather modification and electrification.

MET 5542r. Advanced Synoptic Lecture-Laboratory I (3). Prerequisites: MET 5311, 5420. Synoptic meteorology, cloud physics, and boundary layer processes. This course is designed to enhance students' ability to analyze and interpret weather maps and satellite imagery. May be repeated to a maximum of fifteen (15) semester hours. May be repeated in the same semester.

MET 5543. Advanced Synoptic Lecture-Laboratory II (4). Prerequisites: MET 5311, 5420, 5500C. STA 2122. Synoptic calculation and four-dimensional analysis of weather systems.

MET 5545r. Advanced Topics in Physical Meteorology I (3). Prerequisites: Instructor approval. An introduction to the physical aspects of objective analysis. Students learn how the general mathematical concepts and methods are applied to solve practical data analysis and assimilation problems in atmospheric science.

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MET 5550. Statistical Weather Prediction (3). Prerequisites: MET 4500C, MAC 2313 or equivalent. Probabilistic and statistical weather prediction, evaluation and utility of forecasts; decision making in meteorology; forecast quality and predictability of the atmosphere.

MET 5561r. Advanced Topics in Synoptic Meteorology (3). Prerequisite: Instructor approval. May be repeated to a maximum of thirty (30) semester hours. Meteorology offers a wide range of opportunities for students to develop their skills in the areas of weather forecasting, climate modeling, atmospheric physics, oceanography, and atmospheric chemistry.

MET 5561r. Advanced Topics in Synoptic Meteorology (3). Prerequisite: Instructor approval. May be repeated to a maximum of thirty (30) semester hours. Meteorology offers a wide range of opportunities for students to develop their skills in the areas of weather forecasting, climate modeling, atmospheric physics, oceanography, and atmospheric chemistry.


MET 5595. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twenty-four (24) semester hours.

MET 5596r. Master's Comprehensive Examination (0). (S/U grade only.) Three (3) semester hours are required for a master's degree. May be repeated to a maximum of five (5) semester hours in each of the master's and doctoral programs.

MET 5600. Doctoral Seminar (1). Prerequisite: Instructor consent. Research problems and discussions of meteorological research. Doctoral candidates give an oral presentation of their research. A minimum of two (2) semester hours is required.

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MET 5620. Dissertations (1–12). (S/U grade only.) May be repeated to a maximum of twenty-four (24) semester hours. May be repeated to a maximum of thirty (30) semester hours. May be repeated to a maximum of thirty (30) semester hours. May be repeated to a maximum of thirty (30) semester hours. May be repeated to a maximum of thirty (30) semester hours. May be repeated to a maximum of thirty (30) semester hours.
literature, language, and composition, as well as specialized course work in the teaching of English. The master’s degree also allows for an emphasis in a) teacher certification; b) National Board Certification (for experienced teachers); c) teaching of English as a second language; d) Secondary English Education; e) community college instruction.

The graduate faculty works in close and long-standing cooperation with colleagues in the English department as well as other programs in the College of Education towards the development of the graduate program. Master’s, specialist, and doctoral candidates typically include professors from the Department of Middle and Secondary Education and the English Department.

English education faculty members are researchers as well as teacher educators and have made significant contributions to the theory and practice of English teaching, with particular attention to the teaching of literature, reading, written composition, whole language theory and practice, technology for English classrooms, and young adult literature.

Graduates of the English education program are candidates for positions as college professors and instructors, junior college instructors, secondary teachers, researchers, curriculum planners, supervisors, writers and editors, and consultants. For more information, see http://www.fsu.edu/~mse/Programs/English/index.html.

Master’s Degree

The traditional master’s degree in secondary English education requires thirty-three (33) semester hours of course work. Twelve to sixteen (12-16) hours in English education, including LAE 5044, 5338, 5637, and RED 5337 or an approved secondary reading course alternate; from fifteen to twenty-one (15-21) hours will be in English (literature, rhetoric, or writing); and up to six (6) semester hours in a collateral field. In the four alternative tracks, courses in areas such as TESOL or reading will replace some of the English requirements, with English education faculty approval. Decisions regarding the appropriate choice of courses will be determined in part by the graduate student’s undergraduate coursework and work experiences, as well as his or her goals. Experienced teachers may choose the track that emphasizes work toward National Board Certification. A student who is an experienced teacher may elect to write a thesis in lieu of three to six (3-6) hours of course work. All candidates take a comprehensive examination at the completion of the course work. Each candidate’s work will be supervised by a three-person committee, including one member from the English Department or from the area of emphasis. Students must identify the members of their committee and complete a program of studies form no later than the second semester of course work.

Basic requirements for entrance to the master’s degree program are 1) a grade point average (GPA) of 3.0 or better during the last two years of undergraduate work, 2) a score of 1000 on the combined aptitude portions of the Graduate Record Examinations (GRE); and 3) completion of a minimum of twenty-one (21) semester hours of undergraduate course work in English literature, including freshman composition.

State regulations require every graduate degree candidate to submit a GRE score, even if one’s GPA qualifies one for admission to the program. A GRE score is also required for most financial aid. Up to six (6) semester hours of credit may be transferred from another institution. Applicants must submit a sample of academic writing, (3 letters of recommendation, a letter of intent for the graduate program, a statement of purpose, the FSU application, and copies of all official transcripts) to Dr. P. S. Carroll, English Education, 209 MCH, FSU, Tallahassee, FL 32306-4490.

Teaching Certification at the Graduate Level. Liberal arts graduates with a major in English may pursue teacher certification in secondary English (grades 6-12) while pursuing the master’s degree. Students who enter the graduate program without teacher certification will be placed in the master’s degree/teacher certification track. These students will be required to take the Florida Teacher Certification Exam (3 sections) while completing the program and will be required to complete a student teaching internship at a local middle or high school in their final semester of course work.

Specialist Program

The specialist in education degree is available to experienced teachers already holding a master’s degree. Thirty (30) semester hours beyond the master’s degree are required, including work in professional education, English, educational research, and correlated fields. Program details will be decided upon by candidates in consultation with their supervisory committee. All candidates must pass a comprehensive examination at the completion of course work.

Doctoral Degree

The doctoral degree is designed to prepare candidates for positions in teacher education, supervision, and research. Applicants usually will hold a master’s degree in English, English education, or in a closely related discipline such as theatre, classics, or humanities. Applicants will be certified teachers with a minimum of three (3) years of successful secondary school teaching experience. A GRE score must be submitted. A GPA of at least 3.0 and a GRE score of at least 1000 will be required, as will an acceptable sample of academic writing.

Each doctoral candidate’s work will be supervised by a committee of at least four members representing English education and other appropriate faculties. Additional members from other faculties may participate as the nature of the student’s research demands. Students must identify the members of their advisory committee and complete a program of studies form no later than the second semester of course work.

Students must pass a written qualifying examination during the second semester of course work. A written and oral comprehensive examination (also referred to as the “preliminary examination”) must be passed after completing course work and before presenting a prospectus of a dissertation. A dissertation must be written and defended in an oral examination.

Sixty-four (64) semester hours of course work following admission to the program are required (including hours presented for the master’s degree). A faculty evaluation of graduate work already completed. Students must also complete a minimum of twenty-four (24) dissertation hours after passing the comprehensive examination.

Core Courses

Each student’s graduate program (master’s and PhD) will include the following courses or the equivalent:

- LAE 5064 Reader Response to Literature: Research and Practice (3)
- LAE 5637r Problems and Trends in Secondary English Education (3)
- LAE 5736 Written Composition in the Secondary School: Theory and Research (3)
- RED 5337 Supervision and Instruction in Secondary School Reading (3)

Or an approved secondary reading course alternative.

Note: doctoral students whose master’s program has included courses equivalent to one or more of those above may be directed into other education or English courses as indicated by their needs and interests.

Research Tool

At least twelve (12) semester hours of course work in methods of research and inquiry will be included in the doctoral student’s program. All students will take EDF 5400, Basic Descriptive and Inferential Statistics (4). Students may then pursue a quantitative option, which would include EDF 5481, Methods of Educational Research (3), and at least one additional statistics course; or a qualitative option, which would be one course approved by their major professor. The qualitative option is recommended as more appropriate to research on teaching and learning language. EDF 5410, Nonparametric Analysis Applications (2), is also generally useful to language researchers. Students who wish to use questionnaire or survey instruments in their dissertation research must complete a course specifically designed with those goals as a focus. This course must be approved by their major professor.

A minimum of thirty (30) semester hours of English courses should be completed at the graduate level, including courses taken in a master’s program. It is recommended that the student’s selection of English courses should include work in the following areas: literary criticism or critical theory, bibliography and research, and modern rhetoric or composition theory.

With the approval of an adviser, a student may elect to enroll for directed individual study, supervised research, supervised teaching, or for any special topics courses that may be offered.

Definition of Prefix

LAE — Language Arts and English Education

Graduate Courses


LAE 5637r. Problems and Trends in Secondary English Curriculum (3–6). History of English as a school subject; current developments, issues, and trends in the teaching of English. May be repeated to a maximum of six (6) semester hours.

LAE 5736. Written Composition in the Secondary School: Theory and Research (3). Rhetorical and psychological approaches to the writing process; prewriting, invention, revision, and editing; problems of the basic writer; evaluation of writing and writing skills; current research.

LAE 5986r. Directed Individual Study (1–3, SU grade only; may be repeated to a maximum of twelve (12) semester hours.)
Admission Requirements

1. A minimum score of 1000 on the combined verbal and quantitative portions of the GRE or a 3.0 grade point average, or above on upper-division course work. A GRE score must be posted in the applicant’s file.
2. Three positive graduate school letters of recommendation.
3. A transcript of all completed college courses; and
4. A letter indicating program attendance after admittance to the University program.

Note: In addition to admission to the University, students must also be admitted to the Department of Middle and Secondary Education.

Curriculum

The student’s program of studies is planned for the first semester in consultation with an advisor. (Bachelor of science health education program graduates will substitute URP 5526, The US Health Care System, and SYD 5137, Fundamentals of Epidemiology for HBC 5006 and HSC 5247.)

1. Courses

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>EDF 5400</td>
<td>Basic Descriptive and Inferential Statistics Applications (4)</td>
</tr>
<tr>
<td>HSC 5006</td>
<td>Foundations of Health Promotion (3)</td>
</tr>
<tr>
<td>HSC 5247</td>
<td>Seminar in Community Health Education Program Planning and Evaluation (3)</td>
</tr>
<tr>
<td>MHS 5710</td>
<td>Research in Human Services (3)</td>
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2. Specialized Areas

<table>
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<tr>
<th>Course</th>
<th>Description</th>
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<tbody>
<tr>
<td>HSC 5908</td>
<td>Directed Individual Study (1–3)</td>
</tr>
<tr>
<td>HSC 5915</td>
<td>Supervised Research (1–4)</td>
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Note: HSC 5908 and 5915 are the basis for a potential manuscript reading for publication.

Specialized areas courses are selected in consultation with an advisor considering the student's long term goals. Examples of specialized areas might include: adult education, gerontology, public health, allied health teaching and learning, wellness, technology, school health, health education in business and industry, and patient education in the medical setting. Remaining courses are planned with an advisor considering career goals.

Opportunities

The student will have an opportunity to engage in a supervised research project which will allow for the development of research skills as well as active involvement in the field of health promotion. Internships, where necessary, are available from a wide range of settings including corporate health promotion, hospital wellness programs, voluntary agencies, governmental agencies, and public schools.

Financial Aid

The health education program has limited fiscal assistance available for qualified students. Students are also encouraged to apply for college and University aid programs. Contact the department for further information.

Definition of Prefix

HSC — Health Sciences

Graduate Courses

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ACADEMIC PROGRAMS

MATHEMATICS

EDUCATION

Associate Professors: Aspinwall, Jakubowski, Presmeg, Shaw; Assistant Professor: Fernandez, Visiting Assistant Professor: Clark; Emeritus: Denmark, Kalin, Nichols, Wheatley, Distinguished Professor Emeritus: Nichols

Curricula in mathematics education are offered which lead to the master of science (MS), the specialist in education (EdS), and the doctor of philosophy (PhD). Graduate curricula have been designed to meet the needs and professional goals of those preparing for leadership roles in mathematics education. Opportunities exist for graduate students to participate in major research projects that are setting new directions and further research for K–20 school mathematics. Research among the faculty in mathematics education has focused on teacher education, mathematics curriculum, teacher beliefs, teacher change, technology, and K–20 student learning. The faculty are also heavily involved in curriculum development and teacher enhancement projects. For more information, see http://www.fsu.edu/~mse/programs/math/index.html.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Education” chapter of this Graduate Bulletin.
Master’s Degree

Admission

Applicants must have a baccalaureate degree, must receive approval by the department chair, and must be approved by the program. Completion of the GRE with a minimum combined score of 1000 on the verbal and quantitative sections, or to have taken the GRE and have a grade point average of more than 3.0 in the final two years of the undergraduate degree is required. A GRE score must be posted in the applicant’s file. When the student has been approved by the program, a temporary advisor will be assigned.

Curricula

Programs of study are designed based on student goals. To complete a master’s degree, students may take either the thesis or nonthesis option. In the thesis option, students must take a minimum of twenty-four (24) semester hours of course work and six (6) semester hours of thesis. Students will defend their thesis in an oral examination conducted by their supervisory committee. Students taking the nonthesis option must take a minimum of thirty-two (32) semester hours of course work. These students have options for demonstrating successful completion of the program. These options are available from program faculty. During the first year in their program, students will select a supervisory committee consisting of a major professor and at least two additional members. The program of studies is planned with the student’s supervisory committee to meet the specific needs and goals of the student.

Doctoral Degree

The doctoral degree curriculum is intended for persons preparing for positions of leadership in 1) research in mathematics education; 2) supervision of school mathematics; and 3) teaching mathematics and/or mathematics education in a community college, college, or university. Additional information is provided in a PhD handbook available from program faculty.

Admission

Applicants must have a master’s degree in mathematics, mathematics education, or in some other approved field, and must be approved by the program faculty and the department chair. Teaching experience is recommended. A minimum score of 1000 on the combined verbal and quantitative portions of the GRE and more than a 3.0 grade point average on graduate work are required. Upon admission to the program, a temporary adviser is assigned.

Curriculum

In general, four years will be required to complete the PhD in mathematics education. Depending on program faculty evaluation of graduate work already completed, a program of study is reviewed and approved by the student’s supervisory committee. Students typically take courses in the following domains: mathematics education, psychological and social sciences in education, normative studies, and inquiry skills. If a master’s degree in mathematics, or at least eighteen (18) semester hours in mathematics at the graduate level, has not been obtained, then graduate mathematics courses are taken to augment those previously completed. Course work in analysis, algebra, geometry, applications, topology, number theory and statistics constitute major curriculum projects. Students in mathematics education are expected to take four doctoral seminars: MAE 6146, 6585, 6690, 6691, 5795, 5685 or approved substitutes. Students with a professional goal to teach at the post-secondary level must satisfy mathematics requirements in addition to the mathematics education requirements. Students seeking initial teacher certification may have additional requirements necessary for certification.

Specialist in Education

Degree

Admission

Applicants must have a master’s degree, must receive approval by the department chair, and must be approved by the program. Completion of the GRE with a minimum combined score of 1000 on the verbal and quantitative portions of the GRE or to have taken the GRE and have a grade point average of more than 3.0 in graduate work is required. A GRE score must be posted in the applicant’s file. When the student has been approved by the program, a temporary advisor will be assigned.

Curricula

Programs of study are designed based on student goals. To complete a specialist’s degree, students may take either the thesis or nonthesis option. In the thesis option, students must take a minimum of twenty-four (24) semester hours of course work and six (6) semester hours of thesis. Students will defend their thesis in an oral examination conducted by their supervisory committee. Students taking the nonthesis option must take thirty-two (32) semester hours of course work. These students have options for demonstrating successful completion of the program. These options are available from program faculty. During the first year in their program, students will select a supervisory committee consisting of a major professor and at least two additional members. The program of studies is planned with the student’s supervisory committee to meet the specific needs and goals of the student.

Preliminary Examination

Upon completion of formal course work, a preliminary examination is taken. To be eligible to take the preliminary examinations the student must: 1) register for MAE 8964r; 2) have an overall GPA of 3.0 for all graduate work completed; 3) have an approved program of study; 4) have passed successfully the diagnostic exam; 5) completed the research tool requirement; and, 6) provide evidence of scholarship. A current reading list is to be given to the committee. The preliminary exam consists of two parts, as described below:

1. Written. The major professor will determine the areas in which the student is to be examined and request questions be prepared by the examining committee;
2. Oral. An oral examination by the examining committee will be scheduled approximately 2 weeks after completing the written preliminary examination questions. At the oral examination, students will be asked to elaborate and/or clarify their responses to the written questions. Following the oral exam the committee will deliberate and determine whether the student is to be admitted to candidacy.

Prospectus

While a student may have a prospectus prepared by the time of preliminary examinations, it is submitted to committee members after a candidate has been accepted as a doctoral candidate. Formal College of Education and University guidelines for the preparation of the prospectus are available. The dissertation prospectus is prepared in consultation with the major professor and advisory committee. A formal defense will be scheduled at which the candidate will orally present the research plan. Once a signed copy of the prospectus has been filed with the College of Education, the dissertation research may begin. The minimum time between having an approved prospectus and dissertation defense is four (4) months.

Dissertation

A student becomes a candidate for the doctor of philosophy in mathematics education by passing the preliminary examination and may register for dissertation credit. A minimum of twenty-four (24) semester hours of dissertation credit is required. When the committee determines the student is ready to defend the dissertation, a defense is scheduled. The candidate must provide a complete copy of the dissertation to committee members one month prior to the examination. In the semester in which the candidates expect to graduate, they must register for MAE 8985r, Dissertation Defense (0).

Definition of Prefix

MAE — Mathematics Education

Graduate Courses

MAE 5146. School Mathematics Curriculum (3). Prerequisite: Instructor’s consent. After establishing a theoretical perspective, major curriculum projects will be examined and critiqued. Reform movements will be considered in light of historical events and the current social climate.

MAE 5175. Teaching Community College Mathematics (3). Prerequisites: undergraduate standing; MAC 2313; or permission of instructor. This course provides a foundation in the teaching and learning of community college mathematics.
courses including introductory mathematics, introductory algebra, college algebra, trigonometry, calculus, and statistics. Topics include kinematics into the conceptual nature of mathematics and applications in the community college mathematics curriculum.

MAE 5338. Seminar on the Teaching of Geometry (2).
MAE 5341r. Special Topics in Mathematics Education (2–3).
MAE 5400. Using Technology in the Teaching of Mathematics (3). Prerequisite: One course in computer technology or the instructor's consent. Explores the uses of various technologies in mathematics classes, demonstrated through hands-on activities and experiences.
MAE 5690. Ethnomathematics (3). Addresses the theoretical, practical and research components that demonstrate the cultural bases of mathematics education. Mathematical activities from diverse cultures are shared; linguistic difficulties in math are discussed.
MAE 5691. Mathematics Learning and Teaching (3). Prerequisite: Instructor's consent. Students are introduced to those theories of learning that have been historically influential, or which have the potential to be currently influential, in the learning and teaching of mathematics.
MAE 5795. Seminar on Research in Mathematics Education (2).
MAE 5800. Using History in the Teaching of Mathematics (3). The course examines the historical origins and evolution of key mathematics concepts. Topics are chosen from number systems, computation, number theory, algebra, geometry, analytic geometry, and calculus.
MAE 5900r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.
MAE 5916r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of fifty-three (53) semester hours. A maximum of three (3) hours may apply to the master's degree.
MAE 5923r. Field Laboratory Internship (1–8). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.
MAE 5990. Directed Teaching (1–6, 8). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master's degree.
MAE 5991r. Thesis (1–6). (S/U grade only.) Minimum of six (6) semester hours required.
MAE 5997r. Major Field Examination (1–6). (S/U grade only.) Minimum of six (6) semester hours required.
MAE 6148. Curriculum in Mathematics Education (3). Prerequisite: Instructor's consent. Designed to provide students the opportunity to develop an initial theoretical framework in which to analyze mathematics curricula from a philosophical and pedagogical basis.
MAE 6797. Advanced Seminar on Research in Mathematics Education (4). Prerequisite: MAE 5795 or consent of instructor. In-depth study of research in mathematics education. Development of research models for the investigation of specific types of research problems in mathematics education.
MAE 6933. Doctoral Seminar in Mathematics Education (1–3). Prerequisite: Instructor's consent. In-depth study of a topic in this field. Course topics currently include learning development and curriculum. May be repeated to a maximum of twelve (12) semester hours.
MAE 6939. Seminar in Mathematics Teacher Education (3). Prerequisite: Consent of instructor. Issues in mathematics teacher education at both the preservice and inservice levels will be examined from theoretical and practical perspectives.
MAE 6985r. Dissertation (1–12). (S/U grade only.)
MAE 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)
MAE 8966r. Master's Comprehensive Examination (0). (P/F grade only.)
MAE 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)
MAE 8976r. Master's Thesis Defense (0). (P/F grade only.)
MAE 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)
MAE 8985r. Dissertation Defense (0). (P/F grade only.)

Multilingual/Multicultural Education

Professor: Jenks; Associate Professors: Brooks, Platt; Assistant Professors: Hasson, Papamihail; Professor Emeritus: Leamon; Courtesy Professors: Kennell, Lupo-Anderson

Multilingual/Multicultural Education is one of six programs in the Department of Multilingual/Multicultural Education at The Florida State University. The Multilingual program offers instructional programs leading to the Bachelor’s, Master’s and Doctor of Philosophy degrees, to the Specialist’s Certificate (post-Master’s), to course work leading to certification in Foreign Languages (K–12), and to the ‘add-on’ endorsement in teaching English to Speakers of Other Languages (ESOL). For more information, see http://www.fsu.edu/~msi/Programs/Mult/index.html.

Admissions Requirements:

Master’s degree programs:
- Application packet, including three (3) letters of recommendation;
- GRE score of 1000 or higher;
- TOEFL score of 570 (230 computer-based) or higher for international students.
- Doctoral degree programs:
- Application packet, including three (3) letters of recommendation;
- GRE score of 1000 or higher;
- TOEFL score of 600 (250 computer-based) or higher for international students.
- Prior successful teaching experience (at least one year)
- Prior successful teaching experience (at least three [3] years preferred);
- Demonstrated spoken proficiency at the advanced level or better on the ACTFL Oral Proficiency Interview (OPI) for students specializing in Florida education.
- Reading knowledge in one foreign language (strongly recommended for all applicants).

Notes:
1. The sequence of courses begins in the Fall semester of each academic year, and the core course recommended during that semester is TSL 5005, Teaching of English as a Second/Foreign Language (4). Students who begin course work at any other time will be required to risk taking courses out of sequence.
2. International applicants are urged to complete the application process at least (6) months prior to their intended date of initial enrollment.

Teaching Certification at the Graduate Level

Certification and endorsement requirements may be completed at the graduate level in some areas.

1. Foreign/Second Language Education: At least thirty (30) semester hours in upper-division courses in the foreign language and professional education requirements (six [6] semester hours in the sociological and psychological foundations of education, six [6] hours in general methods, curriculum, school administration, or school supervision), a score in the advanced range of the ACTFL Oral Proficiency Interview, and a field laboratory internship.
2. ESOL Endorsement: Endorsement is an ‘add-on’ to an existing teaching certificate in early childhood education, English, elementary education, and special education. Coursework includes FLE 5195, 5365, 5595, 5795 and TSL 5005 for a total of sixteen (16) semester hours.

Master’s Degree Programs

Foreign language education emphasis. Students in this program are required to complete the following for a master’s degree: (32 semester hours) similar to that described in the following section. Remaining semester hours may be electives in the MMEd program or other programs inside or outside the College of Education as relevant to the student’s goals. All students take a written comprehensive examination (usually four to six [4–6] hours) at or near the completion of course work.

English as a second/foreign language emphasis. Students in this program are required to complete the following for a minimum of thirty-three (33) semester hours: FLE 5195, 5365, 5595, 5775, 5795, 5930, TSL 4945r, 5005. One additional linguistics course must also be taken (choose from LIN 5706, a linguistics-oriented FLE 5796r, or a course offered in another department). Remaining semester hours may be electives in the MMEd program or other programs inside or outside the College of Education as relevant to the student’s goals. All students take a written comprehensive examination (usually four to six [4–6] hours) at or near the completion of course work.

Educational Specialist’s Degree

The program for the specialist in education degree requires thirty (30) semester hours of work beyond the master’s degree. Students applying for entrance into this program must have teaching experience. In addition to the required course work, students will take a comprehensive examination (usually seven to nine [7–9] hours) similar to that described in the following section.

Doctoral Degree Program

Language proficiency

Doctoral applicants in the foreign language education specialization must be prepared to demonstrate oral and reading proficiency in two foreign languages.

Supervision

Each student’s doctoral program and coursework are supervised by a committee representing the MMEd faculty, the College of Education, and the University, with one MMEd faculty member serving as the advisor. Faculty on the committee provide required expertise according to the nature of the thesis topic, methodology, and theoretical framework.

Course Requirements

A total of thirty-six to forty-eight (36–48) semester hours of course work is required following admission to the program, including a minimum of thirty (30) semester hours in the major field at the graduate level. Additional coursework is dependent on evaluation of previous graduate work.
Foreign Language Education

A student’s program of studies should include work in professional education, literature, civilization and linguistics. Core MMEd requirements are the same as those listed above for the TESOL specialization.

Both Specializations

• Minor: A minimum of ten (10) semester hours in a related minor area in the College of Education or any other academic unit having courses relevant to the student’s interest;
• Research Tool: At least thirteen (13) semester hours of coursework in research tools (methods of research, statistics and inquiry). EDF 5400, Basic Descriptive and Inferential Statistics Applications (4), and EDF 5401, General Linear Model Applications (4), are required research tools, with further qualitative or quantitative options depending on the student’s intended research agenda;
• Dissertation Hours: At least twenty-four (24) semester hours of dissertation following the successful completion of the preliminary examination. At least two (2) dissertation hours must be taken each semester, until the dissertation defense semester, at which time a minimum of three (3) semester hours of dissertation must be taken.

Note: comparable graduate courses taken at other institutions may be substituted as meeting the core requirements on the student’s program of studies.

Exams and Dissertation

• A written qualifying examination during the second semester of course work;
• A written/oral preliminary examination (usually seven to nine [7–9] hours) of written work following completion of all coursework and prior to presenting a prospectus for the dissertation;
• A prospectus that includes the introductory, literature review, and methodology chapters of the proposed dissertation. Successful defense is followed by the collection and analysis of data. The prospectus is defended in an oral examination;
• A dissertation that cannot be defended sooner than four (4) months after the prospectus is defended. An open oral dissertation defense also is required.

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

Advanced Undergraduate Courses

FLE 4945. Associate Teaching in a Foreign Language (10). (S/U grade only.) Prerequisites: FLE 3033, 4941, passing on FTCE.
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 5868r. Advanced English Practice for International Educators (3). (S/U grade only.) An orally based individualized course in English as a second language, designed to provide practice for diagnosed problem areas.
FLE 5195. Development of Curriculum and Materials in Foreign Languages (3). Prerequisite: TSL 5005. Students gain a working knowledge of L2 learning models and contemporary curricular designs that pertain to teaching second/foreign languages. They learn to analyze and create curricula, materials and activities. They learn how to teach and measure cultural achievement.
FLE 5295. Reading in Foreign Language Instruc-
tion (3). Against a background of current theories, issues, and research in first and second language reading, students select from a range of reading approaches to develop reading units and activities for second language learners, including those with low literacy and L2 proficiency.
FLE 5365. Teaching of Culture: Multicultural/ Multilingual Perspectives (3). This course examines culture and its scope, identification of goals and development of course objectives. Students locate and analyze sources, materials and activities. They learn how to teach and measure cultural achievement.
FLE 5595. Testing and Evaluation in Foreign Lan-
guages (3). Prerequisite: TSL 5005. This course focuses on language assessment with objectives related to classroom assessment, proficiency testing and standardized testing. Students also develop expertise in basic statistical processes and program assessment.
FLE 5775. Seminar: Research in Second Language Learning and Teaching (3). This seminar provides a comprehensive overview of second language learning and learners. Additionally, students examine the major theories and concepts associated with second-language acquisition in naturalistic, classroom, and laboratory settings.
FLE 5795a. Applied Linguistics in Foreign Language Teaching (3). Students take courses in one or more areas of linguistics including phonology, morphology, syntax, semantics, acquisition, language socialization and variation. Students are expected to relate these to cross-linguistic issues in classrooms and provide ways to assist L2 learners in reading and language arts.
FLE 5796a. Seminar: Special Topics in Applied Lin-
guistics (2–3). This course addresses any topic relevant to the broader field of multilingual/multicultural education and may be repeated to a maximum of twelve (12) semester hours.
FLE 5908r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.
FLE 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.
FLE 5940r. Field Laboratory Internship (1–8). (S/U grade only.) May be repeated to a maximum of eight (8) semester hours.
FLE 5945r. Supervised Teaching (1–4). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.
FLE 5971r. Thesis (1–6). (S/U grade only.) Minimum of six (6) semester hours required in conjunction with program faculty members. May be repeated to a maximum of twelve (12) semester hours.
FLE 5973r. Specialist in Education Thesis (1–6). (S/U grade only.)
FLE 6776. Research Issues and Designs in Second Language Education (3). This course provides doctoral students with opportunities to become familiar with major issues in research in the field, to develop skills in the critical reading of research in several (L2) learning, teaching, policy, assessment, curriculum) and to begin extensive reading in their own areas of interest.
FLE 6980r. Dissertation (1–12). (S/U grade only.)
FLE 6984r. Preliminary Doctoral Examination (0). (P/F grade only.)
FLE 6986r. Master’s Comprehensive Examination (0). (P/F grade only.)
FLE 6986r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)
FLE 8976r. Master’s Thesis Defense (0). (P/F grade only.)
FLE 8978r. Specialist in Education Thesis Defense (0). (P/F grade only.)
FLE 8985r. Dissertation Defense (0). (P/F grade only.)
LIN 5706. Psycholinguistic Perspectives on Language Acquisition and Development (3). This course covers the critical reading of research in language learning and teaching in thecontent areas of psycholinguistics, sociolinguistics, social cognition, and psycholinguistics. Students use alternative means of assessing student’s learning and teaching experience, and are encouraged to develop their own curricula.
TSL 5005. Teaching of English as a Second/Foreign Language (4). This course is an introduction to teaching English to non-English speakers. Students study second language teaching strategies and the development of L2 curriculum. Students also participate in a teacher education program.

TESOL Specialization

Core requirements include FLE 5195, 5365, 5595, 5775, 5795, 6776, LIN 5706, TSL 5005 and 5930r.

Science Education

Associate Professors: Davis, Gallard, Southerland; Professor Emeritus: Dawson; Associate in Residence: G. Thomas Davis, gal; Associate Professor: Daniel Garnett, dgd; Associate Professor: John Karady, jkarady; Assistant Professor: John F. Macrae, macrae
http://www.fsu.edu/~mse/Programs/Science/index.html

Curricula in science education are offered which lead to master of science (MS), specialist in education (EdS), and doctor of philosophy (PhD) degrees. Graduate curricula are designed to meet the needs and professional goals of those preparing for leadership roles in science education. Graduate students have many opportunities to participate in ongoing research and development, in conjunction with program faculty members, in addition to their thesis or dissertation research. Recent research activities have examined the role of teacher’s beliefs in changing teaching practice and alternative means of assessing student’s learning. Graduate students may obtain teaching experience through involvement with science education at The Florida State University’s laboratory school.

The Florida State University is a major role site for curriculum development in science education. Advanced technology incorporating microcomputers and videodisks is used to prepare problem-solving materials for middle school learners. The focus of the programs, research, and development is on enhancing the quality of learning and teaching science.

Master’s Degree

Admission

The applicant must receive the approval of the department chair as well as the program admissions committee and be accepted by an adviser. Applicants must have a baccalaureate degree in some field of science, education, or psychology. A minimum score of 1000 on the combined verbal and quantitative portions of the GRE or a GPA of 3.0 in the last two years of the baccalaureate degree is required. International students must have a minimum TOEFL score of 550 on the paper-based test or 213 on the computer-based test.

Curricula

To complete the master’s degree, students must write a thesis or complete a specified portfolio and complete a minimum of thirty-three (33) semester hours of course work with a GPA
of 3.0. The program of studies is planned with the student’s major professor and supervisory committee to meet the specific needs and goals of the student. Information regarding sample programs may be obtained from the science education office or through the science education homepage. Students defend their thesis or portfolio in an oral examination conducted by the supervisory committee that they have formed.

Students who wish to obtain teacher certification will be required to take additional hours.

**Specialist in Education**

**Admissions**

Applicants must receive the approval of the department chair as well as the departmental admissions committee and be accepted by an adviser. A minimum score of 1000 on the combined verbal and quantitative portions of the GRE also is required. In addition, applicants for the specialist degree must already have a master’s degree in science, science education, or a related field, plus teaching experience or equivalent relevant experience in science education.

**Curricula**

A minimum of thirty (30) semester hours of course work with a GPA of 3.0 and successful completion of a thesis or portfolio is required. The program of studies is planned with the student’s major professor and supervisory committee to meet the specific needs and goals of the student. Information regarding sample programs may be obtained from the science education office or through the science education homepage. Students defend their thesis or portfolio in an oral examination conducted by the supervisory committee that they have formed.

**Doctoral Degree**

**Admissions**

Applicants must receive the approval of the department chair as well as the departmental admissions committee and be accepted by an adviser. A minimum score of 1100 on the combined verbal and quantitative portions of the GRE and a 3.0 GPA in previous graduate degrees is required. International students must have a minimum TOEFL score of 550 on the paper-based or 213 on the computer-based test. In addition, applicants for the doctoral degree must already have a master’s degree in science, science education, or a related field, plus teaching experience or equivalent relevant experience in science education.

**Curricula**

Each candidate plans a program of studies tailored individually with a major professor and supervisory committee, but all programs include the following components: science education, eighteen (18) semester hours minimum; dissertation in science education, twenty-four (24) semester hours minimum; research methods, twelve (12) semester hours minimum; educational foundations, twelve (12) semester hours minimum; science content, variable; electives nine (9) semester hours minimum.

Postbaccalaureate study, including relevant courses completed in the master’s degree, may be used to meet the curricular requirements. However, all candidates must complete at least forty-five (45) semester hours of graduate study in residence at The Florida State University; thirty-six (36) of these semester hours must be in science and science education.

Candidates are required to pass a qualifying examination at the end of their first year in residence. When the candidate has six (6) or fewer hours of course work to complete, the preliminary examination which covers the program of studies may be taken.

Students will complete a dissertation that is directly related to the core questions in science education. Students must enroll for a minimum of twenty-four (24) semester hours of dissertation credit. Prior to collecting data for the dissertation, candidates must successfully defend their written prospectus to their supervisory committee. When the dissertation is completed, the candidate defends it in an oral examination conducted by the supervisory committee. Students actively writing their dissertation must enroll for a minimum of three (3) semester hours of dissertation credit each semester they are writing.

The course work in science education is divided into core and elective requirements. In exceptional circumstances, the core requirements listed here can be varied by satisfactorily completing other courses in science education that are deemed more appropriate for the student’s career goals. Such variations must be approved by the major professor and supervisory committee. Sample programs of study and additional requirements for the core courses may be obtained from the science education office, or by checking the science education homepage.

**Florida Teacher Certification**

Students pursuing any of the above graduate degrees may simultaneously complete the requirements for teacher certification in Florida, if they choose to do so. The teacher certification program is distinct from the degree program. The courses in science education include courses in teaching and learning, curriculum and research, and must be completed, along with course mandated by the legislature, and an appropriate supervised teaching internship and teaching practicum. The specific courses should be selected on the basis of the recommendations of science education faculty. The courses which count for certification can be graduate and/or undergraduate courses from The Florida State University or elsewhere. As the rules for certification are determined by the legislature and the Florida Department of Education they are subject to change. Curricula must meet current rules.

**Definition of Prefix**

**SCE**  Science Education

**Graduate Courses**

**SCE 5140. Curriculum in Science Education (3).** Provides opportunities for students to develop both a practical and theoretical basis for curricula. The course focuses on the utilization of philosophical and psychological foundations to analyze current curriculum materials available for science classes.

**SCE 5340. Teaching and Learning Science (3).** Master’s level. Provides opportunities for students to examine pre-probably human cognition, the evolving nature of science knowledge, and the role of the teacher in assisting students to learn science with understanding.

**SCE 5366C. Teaching Earth and Space Science (3).** Includes traditional discipline categories of geology, meteorology, astronomy, and oceanography. Utilizes National Science Education standards to organize subject matter, which is the focus of this pedagogical course.

**SCE 5625. Conceptual Learning in Middle School Science (3).** Provides opportunities to acquire knowledge and skills related to teaching and learning science in middle grades. Investigates the emotional and psychological needs of adolescent pupils in relationship to the middle school science curriculum.

**SCE 5635R. Special Problems in the Teaching of Secondary School Science (1–3).** May be repeated to a maximum of nine (9) semester hours.

**SCE 5715. Conceptual Learning in Elementary School Science (3).** Provides opportunities to acquire knowledge and skills related to teaching and learning science in elementary grades. Investigates the emotional and psychological needs of elementary pupils in relationship to the elementary school science curriculum.

**SCE 5905R. Directed Individual Study (1–3). (S/U grade only.)** May be repeated to a maximum of twelve (12) semester hours.

**SCE 5910R. Supervised Research (1–4). (S/U grade only.)** May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

**SCE 5921R. Colloquium (1). (S/U grade only.)** Current trends in science education. Enrollees are required to master’s or doctoral students in science or science education. May be repeated to a maximum of eight (8) semester hours.

**SCE 5942. Internship for Graduate Students (1–10).** (S/U grade only.) Consists of analyses of theory, policy, and research in science education. May be taken in one (1) semester hour maximum.

**SCE 5943R. Field Laboratory Internship (1–8).** (S/U grade only.) May be repeated to a maximum of sixteen (16) semester hours.

**SCE 5946R. Supervised Teaching (1–4). (S/U grade only.)** May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

**SCE 5971R. Thesis (1–6). (S/U grade only.)** A minimum of six (6) semester hours is required.

**SCE 5973R. Specialist in Education Thesis (1–6). (S/U grade only.)** A minimum of six (6) semester hours is required.

**SCE 6145R. Curriculum Design in Science (3).** Provides opportunities to learn and apply the principles of curriculum design, implementation, and evaluation in science. The course emphasizes analysis of implemented science curricula in terms of philosophical and psychological models, the roles of teachers and students, and external forces.

**SCE 6335R. Teaching and Learning Science (3).** To enable graduate students to develop an understanding of psychological models and how they apply to teaching and learning of school science.

**SCE 6362R. Science Teacher Education (3).** Investigates sources of teacher knowledge and explores strategies for improving science teacher performance. Common approaches to professional development are studied and innovative approaches are developed and evaluated in terms of theory and research on teaching.

**SCE 6615R. Problems in Elementary School Science (3).** Provides opportunities to acquire knowledge and skills related to planning and implementing a science program for elementary school children.

**SCE 6761R. Research, Recent Developments, and Current Issues in Science Education (3–5).** May be repeated to a maximum of ten (10) semester hours.

**SCE 6922R. Colloquium in Science Education (1). (S/U grade only.)** Consists of analyses of theory, policy, and research which have implications for science and science education at the local, state, national, and international levels. May be repeated to a maximum of eight (8) semester hours.

**SCE 6935R. Advanced Seminar in Science Education (2).** Consists of a sequence of four (4) courses for doctoral students in science education. The courses are: researchable questions in science education; professional writing; current policy issues in science education; and a review of literature in science education. May be repeated to a maximum of eight (8) semester hours.

**SCE 6980R. Doctoral Dissertation (1–12). (S/U grade only.)**

**SCE 8696R. Master’s Comprehensive Examination (0).** (P/F grade only.)

**SCE 8968R. Specialist in Education Comprehensive Examination (0).** (P/F grade only.)

**SCE 8976R. Master’s Thesis Defense (0).** (P/F grade only.)

**SCE 8978R. Specialist in Education Thesis Defense (0).** (P/F grade only.)

**SCE 8985R. Dissertation Defense (0).** (P/F grade only.)
SOCIAL SCIENCE
EDUCATION

Assistant Professors: Brown, Gutierrez, Martin; Professor Emeritus: Lunstrum

The graduate faculty in social science education constitutes the core research, development, and teaching faculty. Research and development projects have been conducted with museums, school systems, ministries of education, federal and state agencies, private foundations, international organizations, and consortia of private and public groups, domestic and multinational. In teaching, the graduate faculty designs and conducts programs with school systems enhancing the development not only of beginning teachers but of new teacher educators to serve our profession.

Program graduates are playing leadership roles in school systems throughout the United States, in higher education at state and national universities, and in state and national ministries of education. The achievements of program graduates reflect the increasing opportunities for well-trained social science education professionals in the public and private sectors of education at all levels.

The curricula in social science education lead to the master of science (MS), specialist in education (EdS), doctor of philosophy (PhD), and doctor of education (EdD) degrees.

The master’s degree program is designed for classroom teachers (K through community college) who want to improve their knowledge and skills in social science education, and for persons who plan to proceed to educational specialist or doctoral studies. Candidates may pursue a thirty (30) semester hour thesis-type program or a nonthesis thirty-two (32) hour program. The intent is to provide the student with an increased depth of insight into the social behavioral sciences and the humanities as they relate to social education. The curricula provide the opportunity to study and reflect on problems of learning and instruction and important social issues. To make social science education relevant to the concerns of youth and the major problems of today’s society is a common concern. Of concern is the necessity of the student to organize substantive and research skills, the theoretical dimensions in the construction of educational programs; and very specialized programs must be organized around, and justified with reference to, a specific theme. The majority of candidates may elect the more traditional areas, but options are left open for other candidates who may have their own goals and specialized interests. Specific courses in any program will be selected by the candidate with the advice of the major professor.

The doctoral program which leads to the PhD or EdD is designed to prepare community college teachers, university instructors, researchers, and curriculum leaders who draw upon the social and behavioral sciences, social science education, and humanities. The student is expected to participate in new or ongoing research or instructional projects soon after admission into the graduate program. The program should enable a student to occupy a teaching and/or a research position in higher education or a school system. A student in this program can prepare to: 1) teach courses in social science education and in the social or philosophical foundations of education; 2) accept joint responsibilities for teaching and/or for research in education and social science departments (e.g., education and political science, education and economics); and 3) become a director of research or curriculum development in an educational system desiring special competencies in learning and instruction.

The program of study leads to the doctor of philosophy or doctor of education degree and prepares graduate students to attain the following competencies:

1. A thorough knowledge and understanding of the concepts and tools of investigation in at least one social science, behavioral science, or humanistic discipline chosen from the fields of anthropology, economics, geography, history, political science, social psychology, international affairs, or sociology, and some familiarity with a second field chosen from the disciplines listed above or an interdisciplinary combination of social science. If humanities is chosen as a primary field, the second field will be chosen from social or behavioral science;
2. A knowledge and understanding of the concepts and tools of investigation of the social and psychological foundations of education, particularly knowledge that emphasizes the role of education in society, demographic and social factors impinging upon the educational process, the psychological and social stages of development of the individual, and theories of learning;
3. A knowledge and understanding of the general curriculum field, including practical considerations of supervision, curriculum development and instruction, plus
4. Ability to synthesize the experiences from the foregoing three competencies and to apply them to educational problems and research topics in the field of social studies education. These applications will include experiences in supervising student teachers, teaching undergraduate classes, and consultation with school systems;
5. Ability to organize substantive and research experiences around meaningful topics such as inquiry instruction, bilingual/bicultural education, political socialization, population and environmental education, ethnic science, controversial issues, and reading and writing in social studies;
6. Knowledge of, and experience with, the design, preparation, and execution of research in social science education. Research is here defined in terms of historical, experimental, qualitative, and survey research, including curriculum and materials development; and
7. In addition to cognitive background in the substantive fields and research skills, the development of a predisposition to inquire continuously into significant problems of education and to seek personal and career satisfaction by conducting research, curriculum development, and/or teacher education.

Master’s Degree - Post Certification

For admission to the master’s degree program, students must have a bachelor’s degree in an appropriate field from an accredited institution, a minimum 3.0 GPA on a 4.0 scale for their last two academic years or a minimum score of 1000 on the GRE, and the approval of the graduate faculty.

This master’s degree program is designed for those students who currently have a teaching certificate. Students have a choice of a thirty-two (32) semester hour thesis program or a thirty (30) hour thesis program. The thirty-two (32) semester hour program requires that the student take comprehensive examinations during the last semester coursework. This track of study requires fourteen (14) semester hours of social science education (SSE) credits and eighteen (18) semester hours of concentration in one of the social science teaching field specializations (Example: American History/Economics/Government/World History.)

The second track of study is a thirty (30) semester hour thesis-type program. This track requires fourteen (14) semester hours of social science education (SSE) credits and sixteen (16) semester hours of social science credits. The specified program for either track will be developed by the student with the assistance of a major professor.

For successful completion of the degree, students must have a minimum 3.0 GPA and perform satisfactorily on the thesis defense or the comprehensive examination. Only six (6) semester hours of 400 level coursework may be counted toward the degree. Only six (6) semester hours may be transferred for the degree. Twenty-one (21) semester hours must be taken with a letter grade. Only nine (9) hours of special students credit may be used toward the degree.
Specialist Degree

For admission to the specialist in education program, students must have a master’s degree with a 3.0 GPA in an appropriate discipline from an accredited institution, a minimum 1000 GRE score, and the approval of the graduate faculty. The specialist degree program is flexible to meet the special interests and varied backgrounds of students. Students have the choice of a thesis or a nonthesis program. Both require thirty (30) semester hours. The specific program of study will be developed by the student and a major professor, but the program must include fourteen (14) hours of social science education credit. The other credits will be taken in a field of concentration, such as an academic discipline. For successful completion of the specialist degree, students must earn a minimum 3.0 GPA and perform satisfactorily on the comprehensive examination and thesis defense. Only six (6) hours of 4000 level work may be counted toward the degree. Only six (6) semester hours may be transferred for the degree. Twenty-one (21) semester hours must be taken with a letter grade. Only nine (9) semester hours of special student work may be used toward the degree.

Graduate-Level Teacher Certification

Students who have completed a bachelor’s degree in an appropriate field may also seek certification only in conjunction with course work toward a graduate degree. In meeting requirements for certification, these students should enroll in graduate-level professional courses.

Master’s and specialist in education students may seek teacher certification in social science education, grades 6–12, as a part of their graduate study. These students must complete SSE 5366, 5367, and 5665 with a minimum grade of “B” during the fall semester and complete three (3) semester hours in educational psychology and three (3) semester hours in the social-philosophical foundations of education and TSI 5127 in standards for entrance into the 15-week, 10-hour graduate internship (SSE 5947) during the spring semester. In addition, by the end of their program, certification students must have a minimum of fifty-one (51) college-university semester hours credit in history and social science, including three (3) semester hours each in sociology and anthropology, and six (6) semester hours each in American government, American history, geography, and economics. Some of these hours may be taken at the graduate level as part of the master’s or specialist degree program. For successful completion, students must maintain a minimum 3.0 GPA and achieve better than satisfactory evaluation during the student teaching internship, which includes passing scores on both parts of the Florida Teachers Certification Examination (FTCE).

Doctoral Degrees

For admission to the doctor of philosophy and doctor of education degree programs, applicants must have a master’s degree from an accredited institution, a successful academic background in an appropriate social science or humanities discipline, a minimum 1000 GRE score, successful academic and/or work experience in an appropriate educational activity, and the approval of the graduate faculty. During the first semester, students will take a diagnostic examination. Every year, their progress will be evaluated by the major professor and supervisory committee.

For completion of the program, students must fulfill twenty-four (24) semester hours in the 12-month residency requirement. Students must successfully complete EDF 5400, 5481, and a graduate research/methodology course in a social science or humanities discipline. Students must also successfully complete two social science doctoral seminars (SSE): 1) history of social studies/social science education and 2) research in social studies/social science education. In addition, students must pass a comprehensive examination covering their program of studies and successfully defend their dissertation before a graduate supervisory committee.

Admissions

Students from the United States are required to take the verbal and quantitative aptitude tests of the GRE. Foreign students are required to take the Test of English as a Foreign Language (TOEFL) and present an acceptable score unless they have studied extensively in an English-speaking university or country. Both American and foreign students must submit three letters of recommendation, a statement of academic and professional goals, and records reporting previous academic achievement transcripts and GPA. Applicants are also encouraged to submit a résumé and copies of any articles, reports, or materials they may have authored which are relevant to their application. In assessing eligibility for admission, the admissions committee takes into account these factors, as well as previous experiences.

Definition of Prefixes

EDF — Education: Foundations and Policy Studies
EDG — Education: General
SSE — Social Studies Education

Graduate Courses

EDF 5885. Education in the Arab World (3). Examines the development of Arab education focusing on curriculum and problems of learning and instruction. Patterns of language teaching and multiculturalism are carefully described and analyzed.
EDF 5892c. The Design of National Curricula in Developing Countries (3). Utilization of concepts and methods of the social and behavioral sciences in preparing a scheme for systematically revising a country’s curriculum with attention to current problems. May be repeated to a maximum of nine (9) semester hours.
EDF 5920c. Colloquium, Bilingual/Bicultural Education (1). Current topics and developments in multilingual/multicultural education. May be repeated to a maximum of nine (9) semester hours.
EDF 5921c. Special Language and Culture Colloquium (3). Development of theories of curriculum, instruction, and evaluation for multilingual/multicultural education. May be repeated to a maximum of twelve (12) semester hours.
EDG 6907. Curriculum Theory (3). Theoretical concepts underlying significant curricular developments past and present; model development in curricular theory.
SSE 5144. Models of Teaching Social Studies (3). A graduate teaching methods course for middle school, junior high, and high school social science education.
SSE 5347c. Seminar: Contemporary Public Affairs and Trends for Teachers (3). Selected current social problems, their analysis, and implications for handling in teaching social science. May be repeated to a maximum of six (6) semester hours.
SSE 5356c. Problems of Teaching Social Studies in Secondary School and Junior College (1–3). The identification of problems, their investigation, and application of findings to instruction. May be repeated to a maximum of six (6) semester hours.
SSE 5386c. Goals and Methods for the Teaching of History (3). A survey of the major approaches to the study of history linked to the goals of history instruction in general education, with attention to various methods for teaching history.
SSE 5515c. Problems in Teaching Elementary School Social Studies (3). The identification of problems, their investigation, and application of findings to instruction.
SSE 5907c. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.
SSE 5915c. Supervised Research (1–4). (S/U grade only) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.
SSE 5943c. Field Laboratory Internship (1–8). (S/U grade only.)
SSE 5946c. Supervised Teaching (1–4). (S/U grade only) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.
SSE 5947c. Internship for Graduate Students (1–10). (S/U grade only.)
SSE 5971c. Thesis (1–6). (S/U grade only.) A maximum of six (6) semester hours of credit is required.
SSE 5973c. Specialist in Education Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.
SSE 6931c. Doctoral Seminar in Social Science Education (3). Critical review of research in social science education in preparation for the dissertation prospectus. Issues of epistemology and research methodology will be carefully analyzed and discussed.
SSE 6953c. History of Social Studies/Social Science Education (3). The historical examination of the search for a curriculum rationale, adequate content, appropriate scope and sequence, and effective instructional practice in social studies/social science education, grades K–12.
SSE 6980r. Dissertation (1–12). (S/U grade only.)
SSE 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)
SSE 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)
SSE 8968r. Specialist in Education Comprehensive Examination (0). (P/F grade only.)
SSE 8976c. Master’s Thesis Defense (0). (P/F grade only.)
SSE 8978c. Specialist in Education Thesis Defense (0). (P/F grade only.)
SSE 8985c. Dissertation Defense (0). (P/F grade only.)
General course requirements include a proseminar (one [1] semester hour), a course in Old French (three [3] semester hours) and one course in each of the following six fields (three [3] semester hours each; total of eighteen [18] semester hours): the Middle Ages; and one course each on the 16th, 17th, 18th, 19th, and 20th centuries. The total number of general course requirement semester hours is twenty-two (22) hours. This allows for a minimum of nine (9) semester hours of electives; these electives may be applied toward a minor in another field.

To receive the MA in French Literature the student must complete a series of comprehensive examinations, a twenty to thirty (20-30) page research paper and a minimum of thirty-two (32) hours in graduate coursework, including a minor, if any. At least twenty-one (21) semester hours must be taken for a letter grade. All requirements for the MA degree must be completed within seven (7) years from the time the student first enrolled in the graduate program.

After the written examination, any member of the committee who wishes may request an oral examination in which all members of the committee participate. The committee may pass the student, recommending that the student be allowed to continue towards the PhD; that the degree be declared a terminal degree for the student, recommending that the student be allowed to continue towards the PhD; that the student must repeat one or two areas, or that the student has failed the examination. The thesis program will have, in addition to the above examination, an oral defense of thesis.

Special Requirements for the Doctoral Program in French or Spanish

1. The program for the degree of PhD in French or Spanish may include a minor, usually in another foreign language or literature, linguistics, education, classics, English, history, humanities, philosophy, religion, etc. If a second minor is elected, it must also be in a closely related field;

2. Approximately one-fourth of the course work will be in the minor field or fields, if chosen;

3. The written and oral comprehensive examination will include both the major and minor fields; for the French PhD Examination, as the candidate is expected to demonstrate sophistication and expertise in the ability to investigate, analyze, synthesize, interpret, criticize, apply, compare, and expound, the French comprehensive (preliminary) examination will consist of one general essay (out of a choice of topics crossing movement or century lines) and two essays (out of a choice) on each of the following areas: medieval and 16th, 17th, 18th, 19th, and 20th centuries; and/or Black literature of French expression and/or Quebec literature with the option of dropping one area. If a minor is elected, that area will be examined in addition to the above. (If students elect more than one minor area, each area will be examined.) Students in the language and linguistics concentration for preliminary examinations will prepare five exams, at least one exam in each of the following areas: second language acquisition; sociolinguistics/pragmatics; and general linguistic theory. Students pursuing a minor in French/Francophone literature may take up two of their exams in literature, as described above;

4. For French PhD students only: Residence of at least three months in a French-speaking country is required as appropriate to the doctoral candidate, unless exempted by the supervisory committee;

5. For French PhD students only: Students who pursue the second language acquisition concentration will complete the requirements below including the following subject matter courses (two each, one of which may be counted from MA work): AREA I: Literature (a minimum of three periods, two courses in each period [including MA]); AREA II: Linguistics (a minimum of two courses [including MA]); AREA III: Second Language Acquisition and Instruction (a minimum of two courses [including MA]); AREA IV: Psychology of Language (a minimum of two courses [including MA]). Other requirements in the second language acquisition concentration include: 1) one course in descriptive and inferential statistics applications (including MA); 2) one course in higher education or multilingual, multicultural education (including MA); 3) one course in Old French (including MA) as part of French division requirements; and 4) electives approved by student's committee;

6. The student must demonstrate adequate aural comprehension and oral fluency in French or Spanish, whichever is appropriate; and

7. The candidate must demonstrate either (for French PhD candidates only) high-level proficiency in one foreign language or (for French or Spanish PhD candidates) reading proficiency in two. The language or languages chosen must be pertinent to the student's program of research and be approved by the supervisory committee. Nonanglophone students may not choose English as a foreign language.

Definition of Prefixes

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<thead>
<tr>
<th>Code</th>
<th>Language</th>
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<td>Chinese</td>
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<td>CZE</td>
<td>Czech Language</td>
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<td>FOL</td>
<td>Foreign and Biblical Languages</td>
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<td>FRE</td>
<td>French Language</td>
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<td>FOW</td>
<td>Foreign and Biblical Languages, Comparative Literature (Writings)</td>
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<td>FRW</td>
<td>French Literature (Writings)</td>
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<td>GER</td>
<td>German</td>
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<td>GET</td>
<td>German Literature in Translation</td>
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<td>German Literature (Writings)</td>
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<td>Italian Literature (Writings)</td>
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<td>SPW</td>
<td>Spanish Literature (Writings)</td>
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Graduate Courses

FOL 5934r. Problems and Studies in Modern Languages and Literature (3). May be repeated for a maximum of nine (9) semester hours.


FOW 5025. Critical Theory and Its Application to Non-English Literature (3). Critical theory and its application to the reading of literature and, reciprocally, the refinement of the theory from the reading of literature. The course is intended not only to introduce the students to major critical theories, but also to guide them in the study of relationships between theory and the reading of literature in their respective language areas. The course is furthermore intended to enable the students to present studies on how to proceed in independent study of these relationships.

FOW 6907r. Directed Readings (1–6). (S/U grade only.) Prerequisite: Permission of instructor. Allows students to study literary topics of a special kind, depending on student interest and faculty availability. May be repeated to a maximum of six (6) semester hours.

French Advanced Undergraduate Courses

Note: *graduate students must obtain permission of the French coordinator and associate chair for graduate studies to take these courses for credit.

FRE 4500.* French Culture and Civilization (3). Prerequisite: FRE 3421 or equivalent. Emphasizes on word distinctions, description, and exposition with an examination of language subtleties. Frequent free composition on pre-assigned subjects.

FRE 4505. Advanced Conversation (3). Prerequisite: 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. Emphasis on word distinctions, description, and exposition with an examination of language subtleties. Frequent free composition on pre-assigned subjects.

FRE 4530c. Special Topics (3). Prerequisite: Divisional permission. Allows students to study literary topics of a special kind, depending on student interest and faculty expertise.

Graduate Courses

CHI 4503. Readings in Chinese History (3). Prerequisite: Instructor’s permission. A sketch of Chinese history is introduced. Students are taught to read the text in Chinese and 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 4930. Special Topics (3). Prerequisite: Divisional permission. Allows students to study literary topics of a special kind, depending on student interest and faculty expertise.

CHI 5505r. Reading in Chinese Literature (3). Prerequisite: Permission of instructor. This course is to help those students whose interest is focused on literature. Students may choose a particular author from either ancient or modern times and do a thorough analysis of his or her works. Students may also choose a certain field or period and do extensive reading in that field or period. May be repeated to a maximum of six (6) semester hours.

CHI 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

CHI 5910r. Supervised Research in Chinese (1–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

CHI 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three (3) months may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

Czech Advanced Undergraduate Courses

Note: graduate students must obtain permission of the Slavic coordinator and associate chair for graduate studies to take this course for credit.

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.

Graduate Courses

CZE 5914r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

French

Advanced Undergraduate Courses

Note: *graduate students must obtain permission of the French coordinator and associate chair for graduate studies to take these courses for credit.

FRE 3410. Advanced Conversation (3). Prerequisite: 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. Emphasis on word distinctions, description, and exposition with an examination of language subtleties. Frequent free composition on pre-assigned subjects.

FRE 5400. French Culture and Civilization (3). Prerequisite: FRE 3421 or equivalent. Study of the Internatonal Phonetic Alphabet and its application to French with practice in reproducing accurately French sounds and intonation patterns.

FRE 4905c. 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 4930c. Special Topics (3). Prerequisite: Divisional 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.

French Literature (Writings)

FRW 4420.* Medieval and Renaissance Literature (3). Prerequisites: FRW 3100, 3101. An introduction to some of the major writers of the Middle Ages, and the Renaissance (e.g., Chaucer, Maupassant, Huysmans, Verlaine, Mallarme, Rimbaud, and the 1870–1910 generation, including: the Goncourt, Zola, and the Romantics). Emphasis is on the themes of love, death, and the figure of the woman.

FRW 4433.* 17th- and 18th-Century Literature (3). Prerequisites: FRW 3100, 3101. Surveys major works in the areas of theater, philosophy, and prose fiction. Special attention is given to the possible evolution of concepts such as Classicism and Enlightenment.

FRW 4460.* 19th-Century Literature (3). Prerequisites: FRW 3100, 3101. Gives an overview of the main literary currents of the century with particular study of several authors chosen to represent the poetry, novel, and drama of the period.

FRW 4480.* 20th-Century Literature (3). Prerequisites: FRW 3100, 3101. A survey of the major works (novel, theater, and poetry) of the 20th-century French literature. Also the plays are situated within the historical and cultural context of the time period. Special emphasis on the post World War II years.

FRW 4490.* Figure or Genre (3). Prerequisite: FRW 3100, 3101. A study of a major medieval author or intellectual-religious movement (e.g., Jansenism). May be repeated to a maximum of six (6) semester hours.

FRW 4556. Structure of Modern French (Graduate) (3). Prerequisite: A course in French phonetics or permission of instructor. Systematic study of the phonology, morphology, and syntax of modern French.

FRW 5590r. Studies in French Language and Literature (1). Prerequisites: as content as student’s needs add required. May be repeated to a maximum of nine (9) semester hours.

FRW 5400r. Teaching Practicum (0–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

FRW 6925.Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: FRE 5940 or permission of instructor. An advanced professional preparation course to acquaint students in their respective fields with special emphasis on the master’s degree. May be repeated to a maximum of nine (9) semester hours.

French Literature in Translation

FRT 5555. Immigration and National Identity in France (3). This interdisciplinary course examines the ways in which postmodern France is facing a new challenge in managing the contours of contemporary French society and culture. It is taught in English.

French Literature (Writing)

FRW 5315. Classical Theatre of the 17th Century (3). Concentrates on selected works by Racine, Corneille, and Moliere. Each play is analyzed both separately and in relation to other dramas studied. Also, the plays are situated within the social and intellectual context of the seventeenth century.

FRW 5348. Critical History of French Poetry: Origins to Baudelaire (3). Prerequisites: a full survey of French literature of the period. If interest warrants, a single author such as Marguerite de Navarre may be treated in depth. May be repeated to a maximum of six (6) semester hours.

FRT 5615. Foreign Language 1 (3). Prerequisite: FRT 5575 required; FRT 5576 recommended. A study of works of literature written in French organized around a specific topic.

FRT 5619r. Studies in Medieval French Literature: Figure or Genre (3). Prerequisite: FRT 5575 required; FRT 5576 recommended. A study of medieval author or genre. May be repeated to a maximum of six (6) semester hours.

FRT 5586c.* Studies in 16th-Century Literature: Figure or Movement (3). A study of the prose other than Rabelais and Montaigne alternates with an examination of the theater and poetry of the period. If interest warrants, a single author such as Marguerite de Navarre may be treated in depth. May be repeated to a maximum of six (6) semester hours.

FRT 5587c.* Studies in 17th-Century Literature: Figure or Movement (3). Depending upon the semester, this course will focus on theatre, prose, or a major figure (e.g., Pascal) or intellectual-religious movement (e.g., Jansenism). May be repeated to a maximum of six (6) semester hours.

FRT 5588c.* Studies in 18th-Century Literature: Figure or Movement (3). A study of the prose other than Rabelais and Montaigne alternates with an examination of the theater and poetry of the period. If interest warrants, a single author such as Marguerite de Navarre may be treated in depth. May be repeated to a maximum of six (6) semester hours.

FRT 5597r. Studies in Naturalism and/or Symbolism: Figure or Movement (3). Studies in the literary movements of the 1870–1910 generation, including: the Goncourt, Zola, Maupassant, Huysmans, Verlaine, Mallarme, Rimbaud, Valery.
FRW 5598r. Studies in 20th-Century Pre-War (1900–1940) French Literature: Figure or Movement and/or Genre. (S/U grade only.) May be repeated for credit to a maximum of six (6) semester hours.

FRW 5599r; Studies in 20th-Century Post-War (1940 to the present) French Literature: Figure or Movement and/or Genre. (S/U grade only.) May be repeated to a maximum of six (6) semester hours.

FRW 5605r. Rabelais and Montaigne (3). A study of the Gargantua, Pantagruel, selections from the Tiers Livre, Quatt Livre, and Cinquieme Livre, and representative essays from Book I, II, and III of Essais. May be repeated to a maximum of six (6) semester hours.

FRW 5745r. French Literature of Quebec (3). A treatment of the major works (novel, theater, poetry) of the literature of the 19th- and 20th-century Quebec.

FRW 5757r. Black Literature of French Expression (3). An examination of works by African and Caribbean authors written in French with an emphasis on Negritude.

FRW 5825. Introduction to Literary Criticism. A survey of the major historical and theoretical approaches to literary criticism. The course may be repeated to a maximum of six (6) semester hours.

FRW 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

FRW 5910r. Supervised Research in French (1–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

FRW 5977r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours is required for the PhD.

FRW 6829r. Seminar in Literary Criticism (3). Presentation, discussion, and illustration of one of several critical methodologies (with major emphasis on contemporary theory) including: historical, Marxist, psychological, phenomenological, structuralist, feminist, etc. May be repeated to a maximum of six (6) semester hours.

FRW 6935r. Graduate Seminar in French Literature (3). May be repeated to a maximum of nine (9) semester hours.

FRW 6989r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four (24) semester hours is required for the PhD.

FRW 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

FRW 8966r. Master's Comprehensive Examination (0). (P/F grade only.)

FRW 8976r. Master’s Thesis Defense (0). (P/F grade only.)

FRW 8985r. Dissertation Defense (0). (P/F grade only.)

German

Advanced Undergraduate Courses

Note: *graduate students must obtain permission from the German coordinator and associate chair for graduate studies to take these courses for credit.

GER 4429r. Advanced Composition (3). Prerequisite: GER 3400 or equivalent. Course objective is an ability to write with a developed personal style in German on intellectually demanding topics, including commentary on literature. Literature outside the regular curriculum. May be repeated to a maximum of six (6) semester hours.

GER 4480r. Modern German of the News Media (3). Prerequisite: GER 3400 or consent of instructor. An advanced-level skills course. Discussion of current events and mass media in German-speaking countries and work with authenticity-verified texts (newspapers, 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.

GET 4800r. Translation German–English/English–German (3). Prerequisite: GER 3400 or consent of instructor. An advanced-level skills course. Translation of a variety of texts that illustrate important distinctions between German and English grammar, syntax, vocabulary, etc.

GEW 4550r. Studies in an Author or Theme (3). Offers the opportunity to study either a single author in-depth or to follow a specific theme which may extend over a brief period or over several periods. Course material is often supplemented by recordings and cinematic representations. May be repeated to a maximum of six (6) semester hours.

GER 4559r. Periods or Movement (3). Concentrates on a specific literary movement such as Romanticism, Realism, Expressionism, or on a period such as the Baroque, the Enlightenment, or the Romantic period. May be repeated to a maximum of six (6) semester hours.

GEW 4900r. Directed Individual Readings in Literature (3). Students arrange with individual faculty members to study German literature outside the regular curriculum. May be repeated to a maximum of nine (9) semester hours.

GER 4930r. Special Topics (3). Prerequisite: Students arrange with individual faculty members to undertake study in areas outside the regular curriculum. May be repeated to a maximum of nine (9) semester hours.

Graduate Courses

German Language

GER 5506r. Graduate Reading Knowledge in German (3). (S/U grade only.) Designed to present students with the German language and vocabulary to prepare graduate students majoring in other disciplines to read learned journals, books, and monographs written in German in original form. May be repeated to a maximum of six (6) semester hours.

GER 5507r. Studies in German Language and Literature (3). Topic determined by student and faculty member directing the project. May be repeated to a maximum of nine (9) semester hours.

GER 5509r. Master's Thesis Workshop (3). The objective is the ability to write in German at a level that approximates native use of the language for advanced cultural discourse in general literary commentary in particular. The workshop setting is designed for collaborative learning through discussions of various styles in existing texts, for the purposes both of recognizing stylistic properties of different types of texts and of selecting styles for the student's own uses, and through collective critiques of the fellow student's writings. The course is conducted in German. (P/F grade only.)

GER 5509w. Master's Thesis Workshop (3). The objective is the ability to write in German at a level that approximates native use of the language for advanced cultural discourse in general literary commentary in particular. The workshop setting is designed for collaborative learning through discussions of various styles in existing texts, for the purposes both of recognizing stylistic properties of different types of texts and of selecting styles for the student's own uses, and through collective critiques of the fellow student's writings. The course is conducted in German. (P/F grade only.)

GER 5909r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

GER 5925r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: GER 5940 or permission of instructor. Course offers advanced professional preparation to acquire discipline-specific skills. May be repeated with the instructor's permission. A maximum of three (3) hours may count towards the degree. A maximum of five (5) semester hours may apply to the master’s degree.

GER 5950r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three (3) hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

GER 5977r. Thesis (1–6). (S/U grade only.) Prerequisite: GER 5940 or permission of instructor. Course offers advanced professional preparation to acquire discipline-specific skills. May be repeated with the instructor’s permission. A maximum of three (3) hours may count towards the degree. A maximum of five (5) semester hours may apply to the master’s degree.

German Literature (Writings)

GEW 5206r. Studies in a Genre (3). Study of German literature through a particular literary genre. May be repeated to a maximum of nine (9) semester hours.

GEW 5596r. Studies in an Author or Movement (3). Studies the works of an individual author or a number of authors comprising a specific movement. Course material is frequently supplemented with films, videos, and recordings. May be repeated to a maximum of six (6) semester hours.

GEW 5767r. Special Period: Special Topics (3). Studies a certain period or movement determined by the student's needs and by faculty expertise. May be repeated provided the course material is on previously untaught material. (P/F grade only.)

GEW 5868r. Graduate Seminar in German Literature and Civilization (3). May be repeated to a maximum of nine (9) semester hours.

Italian

Advanced Undergraduate Courses

Note: *graduate students must obtain permission from the Italian coordinator and associate chair for graduate studies to take these courses for credit.

ITA 4410r. Advanced Italian Conversation (3). Prerequisite: ITA 3420 or equivalents. Designed to develop fluency in conversation skills at the fourth-year level by means of extensive vocabulary building and practice in actual conversation. May be repeated to a maximum of six (6) hours.

ITA 4450r. Italian Culture and Civilization (3). (P/F grade only.) May be taken by student not majoring in Italian. Designed to develop fluency in conversation skills at the fourth-year level by means of extensive vocabulary building and practice in actual conversation. May be repeated to a maximum of nine (9) semester hours.

ITA 4935r. Honors Work (3). May be repeated to a maximum of nine (9) semester hours.

Italian Language (Writings)

ITW 4440r. Renaissance Literature (3). Prerequisites: ITA 3100, 3101, or equivalent. Offers readings and discussions of the literature of the Italian Renaissance including such figures as Alberti, Lorenzo deMedici, Bandini, Boccaccio, Machiavelli, Michelangelo, Ariosto, and Tasso.

ITW 4444r. 18th- and 19th-Century Literature (3). Prerequisites: ITW 3100, 3101, or equivalent. Offers readings and discussions of figures 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 4480r. 20th-Century Literature (3). Prerequisites: ITW 3100, 3101, or equivalent. Offers readings and discussions of works of contemporary Italian authors including Pavese, Cassola, Sciascia, Berto, Ginzburg, Tomasi di Lampedusa, Buzzati, Vittorini, and Viganò.

Italian Literature

Advanced Undergraduate Courses

ITA 5506r. Graduate Reading Knowledge in Italian (3, S/U grade only.) Designed to present structures of the Italian language and vocabulary to prepare graduate students majoring in other disciplines to read learned journals, books, and monographs written in Italian useful for the student’s research in humanities, natural or social sciences.

ITA 5507r. Reading Knowledge Examination (0). Translation examination to ascertain the student’s ability to read research materials written in Italian. Use of translation software is prohibited.

ITA 5509r. Advanced Italian Composition and Style (3). Prerequisite: Advanced standing. This course stresses the morphological and syntactical order of Italian by means of extensive drills in controlled and free composition. May be repeated to a maximum of nine (9) semester hours.

ITA 5900r. Master’s Thesis Workshop (3). The objective is the ability to write in Italian at a level that approximates native use of the language for advanced cultural discourse in general literary commentary in particular. The workshop setting is designed for collaborative learning through discussions of various styles in existing texts, for the purposes both of recognizing stylistic properties of different types of texts and of selecting styles for the student’s own uses, and through collective critiques of the fellow student’s writings. The course is conducted in Italian. (P/F grade only.)

ITA 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three (3) hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.
Linguistics

Advanced Undergraduate Courses

Note: *graduate students must obtain permission of the linguistics coordinator and associate chair for graduate studies to take these courses for credit.

LIN 4030. Introduction to Historical Linguistics (3).
Designated to familiarize students with the world language families, notions of soundness, sound change, 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 and classification of languages, describing language data, and to examine various models of linguistic description. May count toward the major in Slavic models and student enrollment.

LIN 4300. Introduction to Transformational Grammar (3).
Exposes students to the underlying principles of the transformational approach to syntax. Students are taught the mechanics of writing transformational rules. Other competing theories of the late 1960s are also discussed so that students can appreciate the strength and weakness of each theory.

LIN 4095r. 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.

Graduate Courses

LIN 5035. Historical/Comparative Linguistics (3).
This course parallels in breadth, but not in depth, the reading and other assigned outside work of the undergraduate course involving sound change, possible causes of sound change, several different theories of sound change, and other controversial problems.

LIN 5045. Descriptive Linguistics (3).
This course parallels in breadth, but not in depth, the reading and other assigned outside work of the undergraduate course concerned with the scientific study of human language, analytic methods, and models of linguistic description.

LIN 5510. Transformational Grammar (3).
Covers, in addition to the fundamentals of transformational grammar, more current developments in linguistic theory, such as X-bar theory, syntax, Government and Binding, Relational Grammar, etc.

LIN 5772. Computational Linguistics (3).
Programming the computer for research involving human language in such areas as theoretical and applied linguistics, literary analysis, and content analysis.

LIN 5905r. Directed Individual Study (3).
May be repeated to a maximum of nine (9) semester hours.

LIN 5910r. Supervised Research in Italian (1–5). (S/U grade only.) A maximum of three (3) hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

Japanese

Advanced Undergraduate Courses

Note: *graduate students must obtain permission of the Japanese coordinator and associate chair for graduate studies in order to take these courses for credit.

JPN 4095r. 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 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.

Graduate Courses

JPN 5900r. Studies in Japanese Language and Literature (3). Prerequisite: JPN 3200 or equivalent. Designed for students to work independently once set aside to graduate students to gain an understanding of the human language and social sciences culture and language in the various developments. The primary objective is to help students to gain a good insight into the intricacies of Japanese language and culture and to develop adequate translation skills. May be repeated to a maximum of nine (9) semester hours.

JPN 5910r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

JPN 5950r. Supervised Research (1–5). (S/U grade only.) A maximum of three (3) hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

JPN 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three (3) hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

Graduate Courses

JPN 5900r. Studies in Japanese Language and Literature (3). May be repeated to a maximum of five (5) semester hours.

JPN 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

JPN 5950r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

JPN 5910r. Supervised Research in Japanese (1–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

Russian

Advanced Undergraduate Courses

Note: *graduate students must obtain permission of the Slavic coordinator and associate chair for graduate studies to take these courses for credit.

RUS 4410r. Advanced Russian Conversation (3).
Prerequisite: RUS 3420. Styles and levels of oral expression on a wide range of topics.

RUS 4421r. Advanced Russian Grammar and Composition (3).
Prerequisite: RUS 3420. Practical application of the Russian language and literature.

RUS 4780r. Phonetics (3).
Prerequisite: RUS 3420 or consent of instructor. An understanding of the phonetic and phonemic structure of Russian with extensive oral practice.

RUS 4860r. History of the Russian Language (3).
May be repeated to a maximum of nine (9) semester hours.

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 total of twelve (12) semester hours.

RUS 4955r. Honors Work (3). May be repeated to a total of six (6) semester hours. Three (3) 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 4570. Russian Short Story and Povest (3). Prerequisite: RUS 3100, 3101, or equivalent.

RUS 4470r. Modern Russian Literature (3).
Prerequisite: RUS 3100, 3101, or equivalent. May be repeated to a maximum of nine (9) semester hours.

Graduate Courses

RUS 5060r. Graduate Reading Knowledge in Russian (3). (S/U grade only.) Designed to present structures of the Russian language and vocabulary to graduate students majoring in other disciplines to read learned journals, books, and monographs written in Russian useful to the student’s research in humanities, natural or social sciences. May be repeated to a maximum of nine (9) semester hours.

RUS 5060r. Reading Knowledge Examination (0). (S/U grade only.) Translation examination to ascertain the student’s ability to read research materials written in Russian. Use of translation software is prohibited.

RUS 5415r. Graduate Russian Conversation and Comprehension (3). (S/U grade only.) Extensive conversation and comprehension practice on contemporary themes. May be repeated to a maximum of six (6) hours. Not open to native speakers of Russian.

RUS 5455r. Russian Stylistics (3).
Advanced study of language elements that differentiate style. May be repeated as topics vary.

RUS 5705. Structure of Modern Language (3).
Prerequisite: RUS 4434 (S/U grade only.) Graduate. Advanced study of the verbal system and case grammar.

RUS 5845. History of the Russian Language and Language借用 (OCS 945, 7th) Development of the phonological and grammatical systems from the earliest written records to the present.

RUS 5904r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

RUS 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: RUS 5940 or permission of instructor. An advanced professional preparation course to acquaint students with issues in their academic discipline. A maximum of three (3) semester hours may count towards the degree.

Portuguese (Brazilian)

Advanced Undergraduate Courses

Note: *graduate students must obtain permission of the linguistics coordinator and associate chair for graduate studies to take these courses for credit.

POR 4095r. 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 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.

Graduate Courses

POR 5060r. Graduate Reading Knowledge Examination: Portuguese (0). (S/U grade only.) Translation examination to ascertain the student’s ability to read research materials written in Portuguese. Use of translation software is prohibited.

POR 5930r. Studies in Portuguese (Brazilian) Language and Literature (3). May be repeated to a maximum of five (5) semester hours.

POR 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

POR 5950r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

POR 5910r. Supervised Research (1–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

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Graduate Courses

SLI 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.
SLI 5915r. Supervised Research (1–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.
SLI 5971r. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours is required.
SLI 896r. Master’s Comprehensive Examination (0). (P/F grade only.)
SLI 8976. Master’s Thesis Defense (0). (P/F grade only.)

Spanish

Advanced Undergraduate Courses

Note: *graduate students must obtain permission from the Spanish coordinator and the associate chair for graduate studies in order to take these courses for credit.

SPN 4420. Advanced Spanish Composition and Translation (3). Prerequisite: SPN 3311 or equivalent. Stress on composition and translation from English into Spanish for students with prior knowledge of essential points of Spanish grammar.
SPN 7800. Seminar: Spanish Literature (3). Prerequisite: SPN 3311 or equivalent. Training in the production of acceptable speech sounds in Spanish and a knowledge of when to use those sounds (allophonic distribution). The class meets both in the classroom and in the language laboratory. The nonnative speaker can profit most from this course.
SPN 4903r. Special Topics in Hispanic Languages and Literature (3). (S/U grade only.) May be repeated to a maximum of six (6) semester hours.

Graduate Courses

SEC 5900r. Studies in Serbo-Croatian Language and Literature (3). May be repeated to a maximum of nine (9) semester hours.
SEC 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.
SEC 5910r. Supervised Research in Serbo-Croatian (1–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

Slavic

Advanced Undergraduate Courses

Note: *graduate students must obtain permission from the Slavic coordinator and associate chair for graduate studies to take these courses for credit.

SLI 4420. The study of the development of modern Spanish from Classical Latin through vulgar Latin, Old Spanish, and Renaissance Spanish, including the changes undergone by American Spanish.
SPN 5855. Advanced Spanish Grammar and Composition (3). Updates the student’s knowledge and application of Spanish grammar in the areas of speaking, writing and reading.
SPN 5900r. Studies in Hispanic Language and Literature (3). May be repeated to a maximum of nine (9) semester hours.
SPN 5940r. Teaching Practicum (0–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

SPAN 6925r. Tutorial in Professional Issues (0–2). (S/U grade only.) Prerequisite: SPN 5940 or permission of instructor. An advanced professional preparation course to acquaint students with issues in their academic discipline. A maximum of one (1) semester hour may apply to the master’s degree. May be repeated to a maximum of nine (9) semester hours.

Spanish Literature (Writings)

SPW 5216. Spanish Golden Age Prose (3). Reading and discussion of the great prose works from La Celestina to El Quijote. All Golden Age prose on the Spanish division graduate reading lists, with the exception of Cervantes’ works, will be covered.
SPW 5275r. Spanish Twentieth-Century Novel (3). Spanish novel from the generation of 1898 through the Post Civil War period. May be repeated to a maximum of six (6) semester hours.

SPW 5315. Spanish Golden Age Theatre (3). Reading and discussion of representative comedias from Spain’s Golden Age.
SPW 5337. Spanish Poetry to 1700 (3). An intensive survey of Spain’s lyric poetry from the jarchas through Góngora and Quevedo.
SPW 5338r. Spanish Poetry from 1700 to the Present (3). Emphasis on close readings of poetic texts and major literary and artistic trends from Romanticism through the contemporary era. May be repeated to a maximum of six (6) semester hours.

SPAN 5356. Spanish American Poetry (3). Study of the major tendencies and representative poets from the sixteenth through the twentieth centuries.
SPW 5357. Contemporary Spanish American Poetry (3). A comprehensive study of the major trends, figures, and schools of Spanish American poetry since Modernismo. May be repeated to a maximum of six (6) semester hours.
SPW 5356r. Spanish American Prose (nonfiction) (3). Study of the major tendencies and representative nonfictional works of prose up to the Modernistas and Murillonovista novel and short story.
SPW 5358. Early and Modern Spanish American Prose Fiction (to 1927) (3). Study of the major tendencies and representative novels, and short stories up to the Modernistas and Murillonovista novel and short story.

SPW 5359. Spanish American Prose Fiction (since 1927) (3). A comprehensive study of the major tendencies and representative works of Spanish American prose since the advent of Jorge Luis Borges’ short stories and the genres of the novel and short story, covering trends from the avant-garde to noir realism, neo-naturalism, postmodernism, and sociopolitical content.

SPAN 5405. Medieval and Early Renaissance Spanish Literature (3). An examination of the major genres of the period together with readings of some secondary works. Topics: Epic and ballad, Clerecía literature, courtly lyric, Aficionismo, and early drama.

SPW 5486. Contemporary Spanish American Women Writers (3). This course is designed to introduce the student to the works of 20th-century Spanish American women writers and the critical attention they have received.

SPW 5496. Spanish-American Women Writers (3). The study of Spanish-American women writers, focusing on prose fiction, non-fiction and/or drama. Supplementary readings from critical and theoretical works.
Cervantes’ Life and Works (3). An individual survey of Cervantes’ literary works, especially Don Quijote.

SPW 5908r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

SLI 5910r. Supervised Research in Spanish (1–5). (S/U grade only.) A maximum of three (3) semester hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.
Program in MOLECULAR BIOPHYSICS

COLLEGE OF ARTS AND SCIENCES

Program Committee: Bryant Chase, Nancy Greenbaum, Tim Logan, Ken Roux, Huan-Xiang Zhou

Molecular biophysics involves the application of the principles and techniques of biology, chemistry, physics, and mathematics to the study of biomolecular systems. Studies are aimed at advancing our understanding of fundamental biological structures and processes, information needed for the understanding of disease and for the design of novel therapeutic strategies. In general, these studies require a multidisciplinary approach that may include techniques derived from molecular biology, biochemistry, and biophysics. Biophysical techniques such as X-ray crystallography, electron microscopy, nuclear magnetic resonance (NMR), and other spectroscopic methods are common components of this work.

The development and application of physical techniques to study biological systems requires training in disciplines that have been traditionally divided into separate departments. To foster the development of a fully integrated research training program, the Institute of Molecular Biophysics was constructed in 1962 with funds from the Atomic Energy Commission, the National Institutes of Health, and the State of Florida. In this institute, students, postdoctoral fellows, and faculty formally associated with different departments share expertise and lab space. It is within this unique environment that the Molecular Biophysics Graduate Program is centered.

The program offers an interdisciplinary core of courses leading to the doctor of philosophy degree in molecular biophysics. To this end, students are required to participate in a curriculum that will provide them with a strong background in both the physical and biological sciences. The program is designed to produce researchers and scholars with a broad understanding of the fundamental processes of biomolecular systems and a deep understanding of one or more experimental or theoretical approaches for the study of such systems. Research facilities available for the development of the graduate thesis include those located in the Institute of Molecular Biophysics, the departments of Biological Science, Chemistry and Biochemistry, Physics, and the National High Magnetic Field Laboratory. No master’s degree is offered.

Admission

Application for admission is made directly to the Program Coordinator. The admissions committee will consider all applicants with a strong background in any physical or biological science, mathematics, or engineering with a demonstrated aptitude for quantitative analysis and problem solving. All applicants must meet the minimum criteria of a 3.0 undergraduate grade point average (GPA) for the past two years, a combined score of 1100 on the verbal and quantitative sections of the Graduate Record Examinations (GRE), and provide three current letters of recommendation from individuals who are able to assess the applicants academic and research potential. Official transcripts are also required. International students must score a minimum of 600 on the Test of English as a Foreign Language (TOEFL). Applicants are asked to advise the admissions committee of their areas of interest so that applications can be circulated to the appropriate faculty members.

Financial Aid

Acceptance into the program is not usually granted without guaranteed financial aid, and graduate assistantships, health insurance subsidy and tuition waivers are normally awarded to all students. Additional support of up to $2000 per student is available during the first two years to enable students to attend national meetings. Travel money is also available for advanced students presenting research at such meetings.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Doctoral Degree Requirements

The direction and supervision of graduate work at the doctoral level resides primarily with the major professor (thesis advisor) and the supervisory committee. The University requires that the degree be completed within five calendar years from the time the student gains admittance to candidacy by passing the preliminary exam.

Overall requirements for the doctor of philosophy (PhD) degree are as follows:

1. Completion of the course requirements outlined below;
2. After admission to doctoral candidacy, a minimum of twenty-four (24) semester hours of dissertation credit is required;
3. Teach at least one semester in the department granting doctoral directive status to the student’s major professor;
4. Attend one of the following seminar series (though not necessarily the same series every semester) throughout the graduate career, and present at least one seminar each year in the program:

- BCH 6896r. Master’s Comprehensive Examination (0). (P/F grade only.)
- SPW 8976. Master’s Thesis Defense (0). (P/F grade only.)
- SPW 8985r. Dissertation Defense (0). (P/F grade only.)

MOLECULAR BIOLOGY see Biological Science
These courses must contribute directly to progress toward the degree program.

**Definition of Prefix**

MOB — Molecular Biophysics

**Graduate Courses**

MOB 5905r. Directed Individual Study (1–12). (S/U grade only.) Provides students with an opportunity to gain practical experience using different laboratory techniques, instruments, and equipment in research projects assigned by and under the close supervision of professors affiliated with the MOB graduate program. One-on-one discussions will assure understanding of research approaches. May be repeated to a maximum of fifty (50) semester hours.

MOB 5915r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

MOB 635r. Advanced Specialized Molecular Biophysics (3). May be repeated to a maximum of twenty-four (24) semester hours.

MOB 6985r. Dissertation (1–12). (S/U grade only.) A minimum of twenty-four (24) semester hours of credit must be earned.

**MOTION PICTURE, TELEVISION, AND RECORDING ARTS**

**SCHOOL OF MOTION PICTURE, TELEVISION, AND RECORDING ARTS**

*Dean:* Frank Patterson; *Director, MFA Program:* Reb Braddock; *Director, BFA Program and Professor:* Frank P. Tomasulo; *Assistant Director, BFA Program and Associate Professor:* Valiire Richard Auzenne; *Associate Professor:* Richard; *Filmmakers in Residence:* Allen, Bradburn, Holland, Kaleko, Kiefer, Lottimer, Metz, Meyer, Portman, Robertson, Scoon; *Distinguished Visiting Filmmaker:* At Large: Yles; *Screenwriter in Residence:* Long; *Visiting Filmmaker in Residence:* Scoon; *Visiting Assistant in Film:* Chalmers; *Dean Emeritus:* Fielding

The master of fine arts (MFA) is a graduate program in narrative filmmaking that prepares students for careers in producing, directing, screenwriting, production design, cinematography, sound design, and editing. Emphases in screenwriting and production are offered, with curricula designed 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 School of Motion Picture, Television, and Recording Arts (the Film School) are to fully educate students, help them become integrated members of the academic community of the Florida State University, become responsible members of the entertainment profession, and participate in a creative and artistic process.

**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 is comprised of working filmmakers with various specializations as writers, directors, producers, cinematographers, audio designers, production designers, and editors in both the theatrical and nontheatrical film and television industries, many of whom have won national and international awards and honors for their work. Some of these also have a strong record as research scholars and as writers of fiction. The faculty also includes visiting professors from the field of motion picture law, business, distribution, exhibition and promotion.

Facilities

The Film School operates extensive production facilities for its graduate and undergraduate programs in the University Center “A” Building on The Florida State University campus in Tallahassee. Considered one of the finest facilities in the world devoted exclusively to film education, it includes two sound stages, a recording stage with Foley and ADR capabilities, a 120-seat screening theatre and three smaller screening rooms, three digital audio mixing suites, a computer laboratory, a set-building shop, a 35mm archive of feature films, a 5,000 title collection of films on videotape, DVD, and laserdisc, a large production research library, and digital editing suites for picture and sound. Production facilities are available for both 16mm and 35mm production.

**MFA Program**

The goals of this professional degree are:

1. To ground students in the history, theory, and practice of narrative filmmaking;
2. To provide the creative and technical environment for professional specialization to take place;
3. To help graduates begin careers in screenwriting, producing, directing, camera, sound, editing and production design; and
4. To provide interaction with a wide range of film and video industry professionals in order to provide information on the most recent trends and processes in the film/video business.

These ends the school’s approach emphasizes three kinds of learning experiences: 1) course work in history, theory, style, technology, and techniques; 2) seminars in specific skill areas conducted by active professionals; and 3) independent production projects. Production students work in teams on narrative films. These films are written, produced, directed, shot, recorded, and edited by Film School students. In addition, the students engage in financial, legal, distribution, and exhibition aspects of the film/video business.

The program is designed and scheduled to provide training of the highest quality. It is meant to create a practicum setting in which individuals can work with accomplished professionals to hone their talents, develop a body of work, and sharpen their capacities to work in teams.

**Financing and Ownership of Student Films**

The Film School pays for all student laboratory, workshop and thesis film production expenses, on both graduate and undergraduate levels. So far as is known, it is the only film school in the United States to do so.

The Film School has an agreement with the Screen Actors Guild of America whereby SAG performers may work on graduate student films of a deferred-salary basis. Should such films be distributed commercially, SAG actors involved will be the first to be paid their appropriate salaries from the gross revenues.

Under State of Florida law, regulations and rules, all films and videos produced by Film School students become the property of The Florida State University and are copyrighted in the name of The Florida State University. The same regulations and rules provide that in the event of the commercial exploitation of these films, any net revenues derived from a particular film will be split in a proportion to be determined by the Florida State University (currently 50/50) between the Film School and all of the graduating student workers on the film, including, but not limited to, the writer, director, producer/production manager, sound designer, editor, cinematographer, art director and musical score composer.

State law provides that any stand-alone screenplays created by students will remain the student’s property and may be exploited commercially by them. Screenplays, scripts, and story ideas that are proposed and incorporated by students into their workshop or thesis films, however, become the property of The Florida State University and will be copyrighted in the University’s name.

State law requires that all entering students be provided with a copy of the relevant regulatory rule and that applicants for admission to the Film School sign a statement acknowledging their receipt and understanding of the rule prior to official admission and enrollment.

**Admission**

This is a limited enrollment program and, therefore, admission is selective. A student seeking admission to the MFA program must meet the admission policies of the University for graduate studies and must offer evidence of a high degree of creative ability in their area of specialization. All applicants must submit a 500 to 1000 word essay describing their backgrounds, artistic experiences, creative influences, personal objectives, and future career goals, and also take the Graduate Record Examinations (GRE). Application deadline for the graduate program is December 15th for consideration for Fall admission. Complete information on admission is available from the School of Motion Picture, Television, and Recording Arts website at http://film.fsu.edu.
Enrollment Requirement
Because of the integrated and intensive nature of the program, all students will be required to enroll as full-time students. Students who must withdraw for any reason will be reevaluated by a faculty committee for future readmission. Students may enter the program only in the Fall semester.

MFA Requirements
The MFA degree requires completion of a minimum of ninety (90) semester hours and must be completed in six full-time consecutive semesters.

Retention and Evaluation
All students must meet the University’s minimum retention standards for graduate studies. Additionally, continuation in the graduate program depends on the development of each student’s talent, skill, academic record, and professional discipline. Performance so negative, disruptive or destructive as to compromise the work of the faculty or the efficiency and effectiveness of the faculty, and/or the inability to work positively in a collaborative environment shall constitute grounds for probation or immediate dismissal without any prior period of probation. Attendance will be taken at the beginning of all classes. Anyone not in class at that time will be considered absent; anyone leaving class early may also be counted absent. Given the rigorous nature of the conservatory setting, absences are discouraged. Approval of absences is at the discretion of the instructor and will require documentation to confirm legitimacy of the absence.

Any unauthorized use or possession of or willful destruction of Film School equipment, facilities, film stock or finished film will result in immediate notification of the proper authorities.

The outcome of their decision will determine the actions taken by the Film School with respect to the student(s) involved.

The faculty continually assesses each student’s work and professional discipline. Peer evaluations will be considered in this process.

All graduate film conservatory students are formally evaluated at the end of each semester. Any candidate who fails to maintain high standards will be placed on probation or dismissed from the program and will receive written notification.

Financial Aid
Please refer to the ‘Assistantships’ section in the “School of Motion Picture, Television, and Recording Arts” chapter for information concerning graduate assistantships.

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 (copy of policy showing the student as covered) 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.

Definition of Prefix
FIL = Film

Graduate Courses
FIL 5005. Introduction to the Motion Picture, Television, and Recording Arts Industry (3). Prerequisite: FIL 5B56r. MFA admission. Comprehensive overview of the production, distribution, and exhibition of motion pictures and television programming, examination of essential dramatic elements as they relate to the direction of motion pictures. May be repeated to a maximum of six (6) semester hours.

FIL 5267L. Directing: Single-Camera Workshop (2). Prerequisite: FIL 5256L. A comprehensive study and direction of single-camera motion picture projects. Course examines various visual components of a story, including screenwriting, directing, editing, and shooting. Students will analyze and critique the work of fellow students and professional directors. Course is a coreQF. May be repeated a maximum of six (6) semester hours. Credit will be given for either FIL 5267L or FIL 5267r.

FIL 5278L. Camera and Light Mechanics (2–6). Corequisite: FIL 5209Lr. Provides theoretical and practical knowledge of cinematography: cameras, lenses, film stocks and exposure, composition and lighting, with hands-on exercises. May be repeated to six (6) semester hours.

FIL 5279L. Lighting Workshop (2–6). Prerequisite: FIL 5278L. Explores the more complex aspects of cinematography beyond the basics; provides support, guidance and criticism for cinematography performed on Production 3 film projects.

FIL 5285. Intermediate Television Editing (3). Prerequisite: FIL 5218r. Comprehensive survey of online video-editing techniques and methods, exploration and usage of time-code technologies, A/B roll editing, switchers, digital video effects, and character generators.

FIL 5295. Acting for the Camera (3). Prerequisite: FIL 5265r. This course will provide students with a survey of traditional acting techniques and will contrast and compare those techniques to more commonly used contemporary techniques of on-camera actors. Students will learn to prepare and execute on-camera and off-camera performances.

FIL 5296. Advanced Sound (2–6). Prerequisite: FIL 5259L. MFA admission. Thorough knowledge and practical application of motion picture sound recording, sound editing and re-recording of Production 3 film projects.

FIL 5415. History and Criticism I (3). Historical survey of the film medium worldwide, from its invention to the modern era.

FIL 5416. History and Criticism II (3). Prerequisite: FIL 5415. Survey of theories and movements in motion picture history.

FIL 5505e. Critical Studies in Film and Television (3). Examination of a particular theoretical or critical approach to film and television. May be repeated to a maximum of nine (9) semester hours.

FIL 5506. Critical Methods in Motion Picture, Television, and Recording Arts (3). Principles and practices of intellectual criticism.

FIL 5508. Critical Methods of Film Analysis (3). Prerequisite: FIL 5219r. Film study course providing students with an advanced understanding of the motion picture narrative language, stressing the students need to develop fluency in visual storytelling through a conscious combination of film language.

FIL 5590r. Film Aesthetics (1). Teaches the potential filmmaker to have their own aesthetics of filmmaking and to articulate that style by viewing various films with unique styles and aesthetics. Class discussion is also used to achieve this goal. Allows students to become more aware and conscious filmmakers through their ability to articulate their aesthetic.

FIL 5592. Critical Methods of Film Analysis (3). Prerequisite: FIL 5219. Film study course providing students with an advanced understanding of the motion picture narrative language, stressing the students need to develop fluency in visual storytelling through a conscious combination of film language.

FIL 5599. Critical Methods of Film Analysis (3). Prerequisite: FIL 5219. Film study course providing students with an advanced understanding of the motion picture narrative language, stressing the students need to develop fluency in visual storytelling through a conscious combination of film language.

FIL 5600. Critical Methods of Film Analysis (3). Prerequisite: FIL 5219. Film study course providing students with an advanced understanding of the motion picture narrative language, stressing the students need to develop fluency in visual storytelling through a conscious combination of film language.

FIL 5606. Distribution and Financing Workshop (3). Corequisites: FIL 5592. A comprehensive study of the financing and distribution of motion pictures, video products, and television programs with an emphasis on rights acquisition, syndication and legal and contractual background.

FIL 5609. Computer Applications Workshop (3). Corequisites: FIL 5259, 5606r. Computer applications for all film majors. Students will analyze the function of the motion picture narrative language, stressing the students need to develop fluency in visual storytelling through a conscious combination of film language.

FIL 5616. Preproduction and Production Planning (3). Prerequisite: FIL 5258. This course provides an overview and introduction to the production planning phase of a film project. Students will be introduced to the process of planning a film project, from the pre-production phase up to the beginning of the shooting phase of the production project. Credit hours determined by work load assigned, according to the student's needs. May be repeated to a maximum of twelve (12) semester hours. Max. one credit per semester.

FIL 5617. Post-production and Production Planning (3). Prerequisite: FIL 5256L. MFA admission. Provides an in-depth study of the production phase of film projects. Students will be introduced to the process of post-production planning, from the pre-production phase up to the beginning of the shooting phase of the production project. Credit hours determined by work load assigned, according to the student's needs. May be repeated to a maximum of twelve (12) semester hours. Max. one credit per semester.
**MUSIC**

**College of Music**

**Professors:** Beckman, Bridger, Chapo, Clarke, Clary, Corzine, Darrow, Delp, Drew, Dunigan, Fenton, Fisher, Gerber, Geringer, Goff, Haransy, Hoekman, Keeoccer, Kite-Powell, Kosloski, Kowalski, Kubik, Louwenaar, Madsen, Lee, Mastrogiomo, Mehan, Ohlsson, D. Olsen, S. Olsen, Piersol, D. Seaton, Stelahamer, Spencer, Standley, Thomas, Welch, Wright, Zwiklich; **Associate Professors:** Allen, Andrews, Bakan, Bowers, Brewer, Clendinning, Ebbing, Ford-Kronholz, Gaber, Georgiev, Gregory, Holzman, Kelly, Kennedy, M. L., M. C., M. G., M. O., M. R., M. S., M. W., M. A.; **Assistant Professors:** Anderson, Barnhart, Bish, Brister-Rachwal, Buchler, Ciuller, Gunderson, Jimenez, Jones, Jordan, Koen, Moore, Nailey, Newdome, Parkes, Porter, Roberts, Rogan, Shaffel, Trujillo, Van Weelden, Von Glahn, M. Wingate; **Visiting Assistant Professors:** Asmoller, Beck, Semmes, Vianayak, and **Directors:** Hodges, McArthur, G. Seaton; **Faculty Librarian:** Clark; **Assistant Librarian:** Cohen

The graduate program of the School of Music is one of the largest and most comprehensive in the country. Accredited by the National Association of Schools of Music since 1930, the school has a long and illustrious history of graduating outstanding performers, composers, scholars, educators, and therapists.

The following are the graduate degrees offered by the School of Music:

- Master of arts in arts administration
- Master of music
- Performance
- Accompanying
- Piano pedagogy
- Choral conducting
- Instrumental conducting
- Jazz studies
- Music theory
- Composition
- Musical theory
- Opera
- Music therapy
- Master of music education
- Doctor of philosophy in music education
- Doctor of musical arts in music (specializations in historical musicology, ethnomusicology, and music theory)
- Doctor of education in music education

Doctor of music in composition or performance (piano, voice, violin, violoncello, organ, double bass, guitar, flute, oboe, clarinet, bassoon, saxophone, trumpet, horn, trombone, tuba, percussion)

In addition to its degree programs, the School of Music offers a number of certificate programs that provide an additional specialized area of emphasis for graduate students. These include certificate programs in church music, jazz studies, piano pedagogy, piano technology, computers in music, early music, music of the Americas, world music, pedagogy of music theory, special music education, college teaching, and harpsichord and organ performance. A post-master’s artist certificate in performance is available in opera, violin, viola, cello and piano. Further information about admission to and requirements of these programs is available from the graduate studies office of the School of Music.

For complete details of degree requirements, plus a description of the school, its facilities, opportunities, and available financial assistance, refer to the “School of Music” chapter of this Graduate Bulletin.

**Definition of Prefixes**

- **MUC** — Music: Composition
- **MUE** — Music Education
- **MUG** — Music: Conducting
- **MUH** — Music: History/Musicology
- **MUL** — Music Literature
- **MUSi** — Music: Commercial Management/Administration
- **MUN** — Music Ensembles
- **MVO** — Music: Opera/Music Theatre
- **MUR** — Music: Church
- **MUS** — Music
- **MUT** — Music: Theory
- **MUY** — Music: Therapy
- **MVB** — Applied Music: Brasses
- **MVH** — Applied Music: Historical Instruments
- **MVJ** — Applied Music: Jazz
- **MVK** — Applied Music: Keyboard

**Graduate Courses**

**Composition**

- **MUC 5110r.** Composition (2). For non-composition majors only. May be repeated to a maximum of six (6) semester hours.
- **MUE 5251r.** Composition (3). Prerequisite: Permission of composition faculty. For composition majors only. May be repeated to a maximum of six (6) semester hours.
- **MUE 5165r.** Film Scoring (3). Prerequisite: Permission of instructor. Techniques of film scoring and review of applications. May be repeated to a maximum of six (6) semester hours.
- **MUE 5252r.** Jazz Composition (3). Prerequisite: Permission of instructor. Techniques of creative jazz composition and literature. May be repeated to a maximum of six (6) semester hours.
- **MUE 6261r.** Composition (3). Prerequisite: Permission of composition faculty. For composition majors only. May be repeated to a maximum of six (6) semester hours.

**Music Education**

- **MUE 5012.** Social and Historical Foundations of Music Education (3). The social significance of music, vernacular, and serious art in the lives and development of Americans and its effect on public education.
- **MUE 5046.** Sociology of Music Education (3). This course analyzes the effects of society, culture and musical behavior on the activities, attitudes and learning behaviors in public school education.
- **MUE 5185.** College Music Administration (3). Prerequisite: Consent of instructor.
- **MUE 5316.** Organizing and Teaching Elementary Music (3). Prerequisites: MUE 2290, 3210, 3311, or teaching experience. Survey of current materials and teaching techniques in elementary music education.
- **MUE 5369.** Organizing and Teaching Music in General Education (3). Prerequisite/Co-requisite: MUE 3334 or consent of instructor. Survey of current materials and techniques in music instruction for the general student in the middle school, junior high school, and high school.
- **MUE 5396.** Music in Special Education (3). Prerequisite: General sociology (or anthropology), general psychology, or consent of instructor. Techniques of teaching music to children in special education programs.
- **MUE 5426–5427.** Advanced Techniques in Choral and Instrumental Music (three (3) hours each). Prerequisites: MUE 4411; 4342; or teaching experience. 5426: Choral; 5427: Instrumental.
Conducting

MUG 5205r. Advanced Conducting: Chorus (2), Prerequisite: Graduate standing and experience in conducting. The study of choral literature through analysis and conducting. 

MUG 5206r. Advanced Conducting: Band (2), Prerequisite: Graduate standing and experience in conducting. The study of orchestral literature through analysis and conducting.

MUG 5207. Advanced Conducting I: Band (2), Prerequisite: MUG 5206r. Advanced conducting study of gesture, and increased competency in relation to education and research experiences in music. May be repeated to a maximum of six (6) semester hours.

MUG 5208. Advanced Conducting II: Band (2). Prerequisite: MUG 5207. Advanced conducting study of gesture, and increased competency in relation to education and research experiences in music. May be repeated to a maximum of six (6) semester hours.

Jazz Studies

MUI 5976. Master's Recital: Vocal Recital (2). Prerequisite: Performance of a master’s recital in jazz performance.

MUI 5978. Master’s Recital (2). Performance of a master’s level recital in jazz performance.

Music History

MUI 5219. Music History: Graduate Survey (2). A synopsis of the history of music from Greek music to the present day.

MUI 5235. Seminar in Performance Practice I. Musical Performance During the Middle Ages and The Renaissance (3). This course examines a number of basic issues that stem from music of the Middle Ages and Renaissance that are useful for understanding of all later musical performance.

MUI 5236. Seminar in Performance Practice II. Musical Performance During the Baroque, Classic, and Romantic Eras (3). This course examines a number of basic issues that stem from music of the Baroque, Classic, and Romantic eras for an understanding of all later musical performance.


MUI 5380. Music in the Humanities (3). Western music in historical perspective. For non-specialists.

MUI 5410. The Notation of Polyphonic Music to 1600. Basic Notation.

MUI 5411. Notation of Polyphonic Music II (3). A study of white mensural notation and the various types of tablature notation.

MUI 5546. Music of Latin America (3). A study of the musical cultures of Latin America, including Native American, European, African, and Asian derived, and syncretic or mestizo forms.

MUI 5547. Music in Latin America II (3). A study of the religions and art music of Latin America from the colonial period to the present.

MUI 5601. Study of the Caribbean (3). A survey of the music of the Caribbean Basin: from Cuba to Trinidad-Tobago; the coastal regions of northern Venezuela and Columbia; and the open waters of the Caribbean. Prerequisite: MUI 5547.

MUI 5576. Music of Indonesia (3). This course offers a survey of selected music cultures of Indonesia. The primary focus will be on 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 examined. Prerequisite: MUI 5547.

MUL 5577. Music of Japan (3). A study of the traditional music of Japan, emphasizing historical background and cultural context. Selected works from various periods and styles, including classical and traditional music. Prerequisite: MUI 5576.

MUL 5580r. Introduction to Ethnomusicology (3). Prerequisite: MUI 2512. An introduction to the history, theory, and literature of ethnomusicology.

MUL 5581r. Seminar in Ethnomusicology (3). Prerequisite: MUI 5580r. In-depth study of a particular approach, culture, or region. Ethnomusicological research. May be repeated to a maximum of six (6) semester hours.

MUL 5587r. Seminar in World Music Studies (3). Advanced study of music cultures from around the world, emphasizing both music as sound, and music as culture.

MUL 5590r. Seminar in Field and Laboratory Techniques in Ethnomusicology (3). Basic training for field research and laboratory description and analysis in ethnomusicology. Prerequisite: MUI 2512.

MUL 5596r. World Music Pedagogy (3). 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.


MUL 5636. Music in the United States II (3). A survey of musical activities in the United States from the close of the Civil War to the present.

MUL 5655. Seminar in Performance Practice (3). An in-depth study of performance practice extended to the performance of music before the twentieth century. The approach is a combination of historical and theoretical study combined with practical performance projects.

MUL 5685r. Introduction to Historical Musicology (3). An introduction to the history, scope, and sources of musicological research.

MUL 5686r. Seminar in Historical Musicology (3). Prerequisite: MUL 5685r. Graduate-level research experience in historical musicology. May be repeated to a maximum of six (6) semester hours.


MUL 5808. Seminar in World Music Studies (3). This course surveys the classifications and constructional principles of musical instruments and how these affect aspects of the instruments’ historical and cultural significance and musical performance.

MUL 5945. Practicum in Collegium Directing (3). This course prepares students to perform every aspect of running an early music group, including choosing the group’s repertoire, instrumentation, learning to teach a variety of early instruments, and directing concerts. Included is study of rehearsal techniques and preparation in the teaching of music literature and music appreciation courses.

MUL 5625, 5626, 5627, 5628. Solo Music Literature Seminar–Voice (two [2] hours each). Prerequisites: MUI 2512 or equivalent for 5625; MUL 4608 or equivalent for 5626. Open to candidates for the master’s and doctoral degrees in performance, or by permission of the instructor. 5625: German; 5626: French; 5627: Contemporary; 5628: Oratorio.

MUL 5645. Choral Literature (2). Prerequisite: Graduate standing in music. The study of choral compositions from Palestine to the present day, with special attention to the larger forms.

MUL 5647. Survey of Sacred Choral Literature (1). A survey of sacred choral literature suitable for medium size choirs in churches and synagogues embracing Catholic, Protestant, and Jewish traditions.


MUL 5677. Seminar in Opera Literature: Monteverdi to the Present (2).


MUL 5679. Seminar in Opera Literature: Modern Opera Literature (1–3). The study of a particular body of music literature. May be repeated to a maximum of twelve (12) semester hours.

Commercial Music

MUM 5215. Applied Piano Tuning I (3). Prerequisite: Permission of instructor. This course examines string vibration as it relates to applied piano tuning.

MUM 5216. Applied Piano Tuning II (3). Prerequisite: This course explores tuning instruments appropriate for historical instruments and for the modern piano.

MUM 5217. Applied Piano Tuning III (3). Prerequisite: MUM 5216. Continued development of tuning skills is examined.

MUM 5218. Applied Piano Tuning IV (3). Prerequisite: MUM 5217. This course develops tuning skills up to concert level, and prepares students for the Piano Technicians Guild tuning exam.

MUM 5225. Theory of Piano Technology I (2). History and fundamental principles of the modern mechanism of the piano and the history of piano design, construction, and manufacture.

MUM 5226. Theory of Piano Technology II (2). Prerequisites: MUM 5225 and consent of instructor. Instruction in the techniques of manufacture and piano regulation, repair, and practical tuning skills.

MUM 5256. Piano Technology I (3). Prerequisite: Permission of instructor. This course examines string vibration as it relates to the history of the piano, fundamental principles of the mechanisms of the modern piano, and construction techniques.
Music Ensembles

Note: All ensemble courses are repeatable.

MUN 5115r. Marching Chiefs (0–1). Prerequisite: By audition. Admittance, thereafter, is extended only to University students. May be repeated to a maximum of four (4) semester hours.

MUN 5125r. Concert Band (0–1). Prerequisite: By audition. Professional-level performance in a variety of literature for all University students. May be repeated to a maximum of four (4) semester hours.

MUN 5135r. Symphonic Band (0–1). Prerequisite: By audition. Professional-level performance in a wide variety of literature. May be repeated to a maximum of four (4) semester hours.

MUN 5146r. Chamber Winds (0–1). Professional-level performance in a wide variety of wind-oriented chamber music. Open to all University students. May be repeated to a maximum of four (4) semester hours.

MUN 5215r. University Symphony (0–1). Prerequisite: By audition. The study and performance of works representing a broad spectrum of orchestral literature. Participation by string majors required. May be repeated to a maximum of four (4) semester hours.

MUN 5225r. Chamber Orchestra (0–1). Prerequisite: By audition. The study and performance of works suitable for chamber orchestra. Open only to selected undergraduate students. May be repeated to a maximum of four (4) semester hours.

MUN 5235r. Opera Orchestra (0–1). Prerequisite: By audition. The study and performance of works suitable for grand opera, operettas, and musicals. May be repeated to a maximum of four (4) semester hours.

MUN 5250r. University Orchestra (0–1). Prerequisite: By 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 5316r. 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. Student has option to repeat during the same semester.

MUN 5325r. Women’s Glee Club (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 5335r. 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 5345r. Women’s Chorus (0–1). The study and performance of accompanied and a capella works suitable for a 24-30 voice mixed choir. May be repeated to a maximum of four (4) semester hours.

MUN 5355r. Opera Chorus (0–1). Prerequisite: By audition. The study and performance of works drawn from grand opera and/or musical plays. Production necessitates understanding in costume and makeup. May be repeated to a maximum of four (4) semester hours.

MUN 5365r. 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. Student has option to repeat during the same semester.

Music Theatre

MUS 5060r. Musical Theatre Workshop (2). Prerequisite: Site in the musical theatre major or consent of the instructor. The study of major roles in the musical theatre, emphasis on film and television. May be repeated to a maximum of four (4) semester hours.

MUS 5061r. Musical Theatre Production (3). Prerequisite: Site in the musical theatre major or consent of the instructor. The study of major roles in the musical theatre, emphasis on professional models. May be repeated to a maximum of four (4) semester hours.

MUS 5071r. Opera Directing (2). Prerequisite: Site in the musical theatre major or consent of the instructor. The study of musical theatre as a performance art. The study of major roles in the musical theatre, emphasis on professional models. May be repeated to a maximum of four (4) semester hours.

MUS 5350r. Woodwind Ensemble (0–1). Prerequisite: By audition. The study and performance of ensemble literature for woodwinds. May be repeated to a maximum of four (4) semester hours.

MUS 5350r. Brass Ensemble (0–1). Prerequisite: By audition. The study and performance of ensemble literature for brasses. May be repeated to a maximum of four (4) semester hours.

MUS 5415r. Percussion Ensembles (0–1). Prerequisite: By audition. The study and performance of ensemble literature for percussion. May be repeated to a maximum of four (4) semester hours.

MUS 5425r. Woodwind Ensemble (0–1). Prerequisite: By audition. The study and performance of ensemble literature for woodwinds. May be repeated to a maximum of four (4) semester hours.

MUS 5435r. Brass Ensemble (0–1). Prerequisite: By audition. The study and performance of ensemble literature for brasses. May be repeated to a maximum of four (4) semester hours.

MUS 5470r. Baroque Ensemble (0–1). Prerequisite: By audition. The study and performance of ensemble literature for baroque orchestra. May be repeated to a maximum of four (4) semester hours.

MUS 5480r. Baroque Organ Ensemble (0–1). Prerequisite: By audition. The study and performance of ensemble literature for baroque organ. May be repeated to a maximum of four (4) semester hours.

MUS 5490r. Baroque Ensemble (0–1). Prerequisite: By audition. The study and performance of ensemble literature for baroque orchestra. May be repeated to a maximum of four (4) semester hours.

MUS 5515r. Piano Vocal/Instrumental Accompanying (0–1). Prerequisite: By audition. The study and performance of ensemble literature for piano vocal and/or instrumental ensemble literature. May be repeated to a maximum of four (4) semester hours.

MUS 5515r. Piano Vocal/Instrumental Accompanying (0–1). Prerequisite: By audition. The study and performance of ensemble literature for piano vocal and/or instrumental ensemble literature. May be repeated to a maximum of four (4) semester hours.

MUS 5515r. Piano Vocal/Instrumental Accompanying (0–1). Prerequisite: By audition. The study and performance of ensemble literature for piano vocal and/or instrumental ensemble literature. May be repeated to a maximum of four (4) semester hours.

MUS 5515r. Piano Vocal/Instrumental Accompanying (0–1). Prerequisite: By audition. The study and performance of ensemble literature for piano vocal and/or instrumental ensemble literature. May be repeated to a maximum of four (4) semester hours.
Music

MUS 5910r. Supervised Research (1–3). (S/U grade only.) Open to all graduate students with consent of instructor. May be repeated for a total of nine (9) semester hours.

MUS 5921r. Symposium in Music (1–6). Music in general education together with study in smaller groups of specialized or interdisciplinary areas. Prerequisite: MUS 5910r. May be repeated for a maximum of six (6) semester hours.

MUS 5929r. Workshop in Music (1–6). Techniques in instruction and analysis of music performance. May be repeated for a maximum of six (6) semester hours.


MUS 5931r. Arts Administration Seminar (1). This course is designed to provide administrative students with a practical forum to interact with professionals and practitioners who work within and/or with the arts community. It also provides an opportunity for discussions with instructors on a variety of topics and issues that have a significant impact upon the development and effectiveness of arts organizations and arts professionals and for students to communicate with each other to establish the foundation of lasting professional affiliations. May be repeated to a maximum of two (2) semester hours.

MUS 5933r. Computer Music Project (1). Prerequisite: Permission of instructor, and students must first complete all courses in the Certificate in Computer Music Program (or equivalent). 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 5937r. Graduate Tutorial in Music (1–3). Prerequisite: Graduate standing. (S/U grade only.) Selected topics in music. May be repeated to a maximum of six (6) semester hours.

MUS 5939r. Special Topics in Music (1–3). Prerequisite: Consent of instructor. May be repeated to a maximum of nine (9) semester hours.

MUS 5940r. Supervised Teaching (1–3). (S/U grade only.) Open to all graduate students with consent of the Coordinator of Graduate Music. May be repeated to a maximum of three (3) semester hours.

MUS 5941r. Internship in Music Performance (1–12). (S/U grade only.) Advanced performance activities in an internship setting. May be repeated to a maximum of twenty-four (24) semester hours.

MUS 5971r. Thesis (1–6). (S/U grade only.) Prerequisite: Consent of instructor. Six (6) semester hours credit required. MUS 5971r consists of two (2) semester hours. May be repeated for a maximum credit of six (6) semester hours.

MUS 690r. Individual Music Study (1–3). (S/U grade only.) Prerequisite: Consent of instructor. May be repeated to a maximum of twelve (12) semester hours.

MUS 6980r. Dissertation (1–12). (S/U grade only.) Prerequisite: Consent of instructor.

MUS 8985r. Dissertation Defense (also used for Treatise Defense—Doctor of Music) (0). (P/F grade only.) Prerequisite: Consent of instructor.

MUS 8976r. Master’s Thesis Defense (0). (P/F grade only.) Prerequisite: Consent of instructor.

Music Theory

MUS 5051. Graduate Theory Survey (3). A review of the tonal materials of the period of common harmonic practice. This course is required of all graduate music majors unless exempted by examination. Credit earned in MUS 5051 will not apply toward the 96-hour requirements of any degree in the School of Music.

MUS 5515. Introduction to Graduate Study in Music Theory (3). A prerequisite to Music theory and their application to graduate study in music.

MUS 5537. Jazz Theory/Arranging I (3). Prerequisite: MUE 5405r. A course designed to promote skills in arranging for the jazz ensemble.

MUS 5538. Jazz Theory/Arranging II (3). Prerequisite: MUS 5537. 7 credit hours. Advanced skills in arranging for the jazz ensemble.

MUS 5581. Composing and Arranging for Wind Band (3).

MUS 5545. Contrapuntal Genres (3). Sixteenth- to eighteenth-century contrapuntal genres, analysis, and writing skills. Credit earned in MUS 5445 does not apply to credit hour requirements for any graduate degrees in the School of Music.

MUS 5587. Classic, Romantic, and 20th-Century Styles (3). Classic, Romantic, and twentieth-century styles, analysis, and writing skills. Credit earned in MUS 5587 does not apply toward the 96-hour requirements of any degree in the School of Music.

MUS 5618. Analysis of Masterworks 1700–1950 (3). An analytical study of music from Bach to Bartok, including consideration of style, harmony, form, scoring, and theory.

MUS 5625. Instrumental Forms (3). The evolution of the conventional forms of music.

MUS 5627. Introduction to Schenkerian Analysis (3).

MUS 5629. Schenkerian Theory and Analysis II (3). Prerequisite: MUS 5627. This is an advanced course in analytically-based theory as proposed by Heinrich Schenker.

MUS 5640r. Jazz Improvisation I (1). Prerequisite: MUS 5629. Skills in developing jazz improvisation. May be repeated to a maximum of three (3) semester hours.

MUS 5647r. Jazz Improvisation II (1). Prerequisite: MUS 5646r or consent of instructor. Advanced skills in jazz improvisation. May be repeated to a maximum of three (3) semester hours.


MUS 5656. Writing Skills: Fugue (3). Fugal writing styles.


MUS 5754r. Music Therapy: Assessment Instruments in Music Therapy/Music Education (2). The study and practical application of standardized instruments assessing educational and social skills of children with learning problems in music situations.

MUS 5935. Seminar in Music Therapy (2). Research problems of music in therapy and special education.

MUS 5946. Graduate Clinical Project (6). A 20 hour week clinical practicum emphasizing the demonstration of music therapy techniques; applied clinical analysis, and documentation of clinical results. Required of all music therapy nonthesis degree master’s candidates. Concurrent registration in MUS 8966 required.

Applied Music


MVO 5705. Applied Music in Education (3). (P/F grade only.) Prerequisite: Consent of instructor.

MVO 5746. Clinical Music Therapy (1). Prerequisite: Consent of instructor. May be repeated to a maximum of six (6) semester hours.

MVO 6960r. Doctoral Research (1–12). (S/U grade only.) Prerequisite: Consent of instructor. May be repeated to a maximum of twenty-four (24) semester hours.

MVO 5971r. Thesis (1–6). (S/U grade only.) Prerequisite: Consent of instructor. Six (6) semester hours credit required. MVO 5971r consists of two (2) semester hours. May be repeated for a maximum credit of six (6) semester hours.

MVO 690r. Individual Music Study (1–3). (S/U grade only.) Prerequisite: Consent of instructor. Major, scholarly and/or performance project.

MVO 6980r. Dissertation (1–12). (S/U grade only.) Prerequisite: Consent of instructor. May be repeated for a maximum credit of nine (9) semester hours.

MVO 6979r. Doctoral Treatise (1–12). (S/U grade only.) Prerequisite: Consent of instructor. May be repeated to a maximum of twenty-four (24) semester hours.

MVO 6980r. Dissertation (1–12). (S/U grade only.) Prerequisite: Consent of instructor.

MVO 8985r. Dissertation Defense (also used for Treatise Defense—Doctor of Music) (0). (P/F grade only.) Prerequisite: Consent of instructor.
MVK 5935. Continuo Playing—Keyboard (1). Prerequisite: Consent of instructor. Development of performance skills on the keyboard in harpsichord or clavichord.
MVK 5936. Service Playing (2). Prerequisite: Consent of instructor. Open to all upper-division organ majors and graduate students.
MV 5975. Master's Voice Recital Coaching (2). Prerequisite: Permission of voice faculty and instructors of course by audition. Selection and preparation of voice recital repertoire. May be repeated to a maximum of eight (8) semester hours.
MV 5977. Master's Recital (Voice) (0). (SU grade only.) Required of master's voice performance majors in lieu of thesis.
MV 5973r. Master's Recital, Vocal Accompanying (1). (SU grade only.) Required of master's accompanying majors in lieu of thesis. May be repeated to a maximum of four (4) semester hours.
MV 5974r. Master's Recital, Instrumental Accompanying (1). Required of master's accompanying majors in lieu of thesis. May be repeated to a maximum of four (4) semester hours.
MV 5735r. Piano Accompanying—Vocal (1). Techniques, artistic skills, and repertory for vocal accompanying.
MV 5731. Piano Accompanying—Instrumental (1). Techniques, artistic skills, and repertory for instrumental accompanying.
MV 5730r. Applied Music Major, Vocal Accompanying (4). Private instruction. For accompanying majors. A study of the art song and repertoire from the accompanying viewpoint. May be repeated to a maximum of twenty-four (24) semester hours.
MV 5731r. Applied Music Major, Instrumental Accompanying (4). Private instruction. For accompanying majors. A study of the solo instrument literature and chamber music for accompanying purposes. Development of basic performance skills in accompanying chamber music. May be repeated to a maximum of four (4) semester hours.
MV 5732r. Applied Music—Opera Coaching (4). Provides students with intensive training in the applied music skills necessary for a career in opera. May be repeated to a maximum of eight (8) semester hours.
MV 5745. Techniques of Vocal Coaching (2). Techniques and specific skills of accompanying and coaching vocal music, especially art songs.

Interdisciplinary Program in NEUROSCIENCE

College of Arts and Sciences

Director: Robert J. Contreras

The neuroscience program is an interdisciplinary and interdisciplinary research and graduate training program which offers training leading to the PhD degree in neuroscience. Program faculty are based in four departments: biological science, psychology, nutrition, food and exercise sciences, and biomedical science. There is no master's degree in neuroscience, but MS degrees with a concentration in neuroscience are available through the participating departments, for work completed with neuroscience program faculty. The program was established to promote basic research and to provide graduate education in neuroscience, via a close mentoring relationship between students and faculty. Students entering the program choose a faculty advisor and enroll in that advisor's department. Students are able to begin hands-on research immediately while developing experimental approaches, from molecular to behavioral. The requirements for the neuroscience degree are uniform across departments so changing advisors and department later is possible, for example to begin specialized PhD dissertation research. Interdisciplinary research training is available involving molecular, cellular, physiological and behavioral mechanisms in sensory biology (with special emphasis on chemical, auditory, visual and pain senses), neuroendocrinology, endocrine signaling, neural control of feeding and reproductive behavior, circadian rhythms, cardiovascular regulation, neural development and plasticity, neural control of feeding and reproductive behavior, circadian rhythms, cardiovascular regulation and the genetics of behavior. Two NIH-funded training grants are available on a competitive basis to students in the program.
each providing stipend and tuition. The program maintains specialized research support services and personnel, and provides special courses and symposia on contemporary neuroscience issues. Each semester the program brings to The Florida State University prominent neuroscientists who give colloquia and hold informal discussions with graduate students and faculty. Details on faculty/student research and program events may be found on the neuroscience program website at http://www.neuro.fsu.edu.

Admission Requirements

The admission process begins at the neuroscience program website: www.neuro.fsu.edu where there are links to the online admissions system of the Florida State University Office of Admissions. A letter or email containing contact information sent to the neuroscience program office at 018 LON, Florida State University, Tallahassee FL 32306 (neuro@neuro.fsu.edu) will ensure that potential faculty advisors can contact applicants even while the admission mechanism is in process. This letter also triggers automatic consideration of all possible sources of financial aid. Applications must be complete with all supporting documents by December 15, for Fall admission. Applicants must meet minimum criteria including a 3.0 undergraduate grade-point average (GPA) for the last two years, a 500 score on each of the verbal and quantitative sections of the Graduate Record Exam (GRE) and a combined verbal and quantitative score of 1100; three recent letters of recommendation from individuals who are able to assess the applicant’s academic and research potential; and official transcripts. In addition to the above, international students also must score a minimum of 600 on the Test of English as a Foreign language (TOEFL). The GRE subject test is not required but good scores in the biology, psychology or biochemistry subject tests would be helpful. Applicants select three neuroscience faculty members as possible initial advisor, and ideally should contact these faculty members by phone or e-mail before applying. To ensure consideration by all potential faculty advisors, students who wish to begin PhD training immediately and those who wish ultimately to obtain the PhD in neuroscience should apply directly to the neuroscience program. Those interested only in MS-level training in neuroscience should check with the department of interest. Not all the participating departments nor all the neuroscience faculty accept students interested only in MS-level training. Additional information is available on the program website or by request to the program office.

Degree Requirements

The direction and supervision of doctoral work resides primarily with the major professor and supervisory committee. Introductory courses required for all students are PSB 5057, Neuroscience Methods: Molecules to Behavior, and PSB 5077, Responsible Conduct of Research. Program curriculum is being revised. Please refer to http://www.neuro.fsu.edu for the most current requirements. Additional courses selected from the neuroscience core will be required. The Florida State University requires that the degree be completed within five calendar years from the time the student gains admittance to candidacy by passing the preliminary exam.

Overall requirements for the doctor of philosophy (PhD) degree in neuroscience are:

1. Successful completion of the doctoral preliminary exam;
2. After admission to doctoral candidacy, a minimum of twenty-four (24) semester hours of dissertation credit;
3. At least two semesters of teaching experience;
4. At least two seminar presentations in addition to the dissertation defense. Students are encouraged to present their work at national, regional or international meetings;
5. Submission and approval of a doctoral proposal;
6. Completion of original research work in neuroscience; and
7. Submission and successful defense of an acceptable dissertation.

For additional information, see http://www.neuro.fsu.edu or the neuroscience listings in the biology, psychology, and nutrition, food and exercise departments in this Graduate Bulletin.

**Definition of Prefix**

NURSING

**SCHOOL OF NURSING**

*Professors: Frank, Speake; Associate Professors: Cottrell, Dean, Faria, Grubbs, Harris, Karoth, Kohler, Sullivan; Assistant Professors: Barth, Lesser, Smith, Tucker, Whiteside, Whyte, Zeni; Assistants in Nursing: Elliott, King, Mersdorf, Porterfield, Richbourg, Schall, Strouts, Tucker*

The Florida State University master of science program in nursing offers a dual emphasis graduate curriculum with both clinical specialization and role development emphasis. The program may be completed in four to five semesters of full-time study or may be pursued on a part-time basis. The master’s nursing program has received full accreditation by the National League for Nursing.

**Clinical Specialty**

*Family Nursing* focuses on the care of clients in families at different phases of development. The newly formed family, the childbearing family, or the aging family are clients. Infants, children, adolescents, adults, and aging family members are viewed in the context of the family system. The impact of a family member’s acute and chronic illness on family functioning is considered. Course content includes family concepts, theories, assessment, and care of families at various developmental levels and in crisis situations. Content and clinical experiences in advanced practice are components of this specialty.

*Community Health* focuses on the care of the community as a client. Aggregates are examined for risk factors, illness prevention, and health promotion needs. Program planning, implementation, and evaluation are emphases in this clinical focus rather than individual client care.

*Community Mental Health* provides experiences with clients having emotional concerns. Opportunities are available for nursing practice with both individuals and groups of clients in community mental health settings. Community mental health nursing consultation and mental health promotion is also a focus. These specialties and role development emphases are offered only when there is sufficient demand.

**Advanced Practice Roles**

*Nurse Practitioners* provide primary care and/or case management to both healthy families and families experiencing crises and/or chronic health problems in ambulatory care, home health care, long-term care, or acute care settings. Courses in advanced health assessment and pharmacology are required and current knowledge of pathophysiology is essential. The curriculum combines components of the nurse practitioner and clinical nurse specialist roles and is consistent with that defined by the Florida Board of Nursing requirements and regulated by Florida Statutes for Advanced Registered Nurse Practitioners (ARNPs). Students structure clinical experiences and electives to meet prerequisites for writing certification examinations as Family Nurse Practitioners (FNP), Adult Nurse Practitioners (ANP), and/or Clinical Nurse Specialists (CNS) in specialty areas. In addition, the curriculum provides a foundation for specialties that require specific amounts of time in practice before application for certification and/or licensure.

*Nurse Educators* teach in a variety of settings, including schools of nursing, continuing education, or patient education positions. The course sequence includes theories of teaching, development of teaching methodologies, and a practicum experience in a setting of the student’s interest. Electives may be taken within the School of Nursing or related disciplines such as the College of Education.

*Clinical nurse specialist* case/care managers use a dynamic and systematic collaborative approach to providing and coordinating health care services to a defined population. It is a participative process to identify and facilitate options and services for meeting individual’s health needs, while decreasing fragmentation and duplication of care and enhancing quality, cost-effective clinical outcomes. The framework for nursing care management includes five components: assessment, planning, implementation, evaluation, and interaction (ANA, 1996).

The course content includes theories of nursing case management, development of case management methodologies, and a practicum experience in a setting of the student’s interest. Additional courses in community health care and community mental health care settings provide further support for the knowledge base.

For complete details of programs offered and admission requirements, plus a description of the school, its facilities, opportunities, and available financial assistance, refer to the “School of Nursing” chapter of this Graduate Bulletin.

**Definition of Prefix**

NGR — Nursing: Graduate
Graduate Courses

Note: courses required for completion of the Master’s Program are being revised. Contact the School of Nursing Graduate Office for current information.

NGR 5002C. Health Assessment for the Advanced Prac- tice Nurse (4). Prerequisite: NGR 5010, 5102, 5123, 5570, 5800. This course provides an introduction to the health assessment skills necessary for the advanced practice role. It focuses on the use of history-taking, physical examination skills, and diagnostic technology to promote a comprehensive understanding of an individual's health status. Students will learn how to develop a nursing assessment database and generate a prioritized problem list.

NGR 5010. Preclinical Seminar (1). A seminar to introduce students to the curriculum of the School of Nursing and to orient students to the role of the nurse educator. The seminar provides opportunities for the student nurse educator to apply concepts and methods of teaching-learning covered in previous courses. Under faculty supervision and guidance, students utilize a variety of methods in teaching-learning to develop student nurses and other healthcare personnel in simulated and actual settings in collaboration with other nurse educators.

NGR 5010L. Seminar in Teaching and Learning (1). Prerequisite: term I core courses. This initial course in the Nursing Education Theories and Design series provides opportunities for the student nurse educator to apply the knowledge and strategies of teaching-learning covered in previous courses. Under faculty supervision and guidance, students utilize a variety of methods in teaching-learning to develop student nurses and other healthcare personnel in simulated and actual settings in collaboration with other nurse educators.

NGR 5020. Theory and Review of Clinical Issues in Health Care (3). Elective. Provides health care students with the opportunity to explore the ethical dimensions of their practice and to develop skills in ethical decision-making. Students will practice the clinical application of ethical theory in relation to current health care issues and concerns.

NGR 5130. Legal and Ethical Considerations for Advanced Practice (2). Corequisite: NGR 5123. This course focuses on the legal and ethical issues related to the role of the advanced practice nurse. It emphasizes the legal and ethical considerations that impact the role of the advanced practice nurse in the delivery of health care services. Students will be introduced to the fundamental legal and ethical principles that underlie the practice of nursing and the rights and responsibilities of the nurse educator in facilitating the learning process.

NGR 5121. Role Development Theories (2). Corequisite: NGR 5002C. This course focuses on the theoretical and practical aspects of role development for advanced practice nurses. It examines the role transition and development of the role of nurse and the nurse educator. The course emphasizes the process of role transition and the development of the role of the nurse and the nurse educator.

NGR 5122. Role Development Theories (2). Corequisite: NGR 5002C. This course focuses on the theoretical and practical aspects of role development for advanced practice nurses. It examines the role transition and development of the role of nurse and the nurse educator. The course emphasizes the process of role transition and the development of the role of the nurse and the nurse educator.

NGR 5123. Clinical Nurse Specialist Care Manage- ment I (5). Prerequisites: NGR 5020, 5123, 5570, 5800. This course provides an introduction to the health assessment skills necessary for the advanced practice role. It focuses on the use of history-taking, physical examination skills, and diagnostic technology to promote a comprehensive understanding of an individual's health status. Students will learn how to develop a nursing assessment database and generate a prioritized problem list.

Emphasis is placed on facilitating pharmacological management of patients for advanced practice nurses in independent and collaborative practice. Students will learn to develop and implement case management plans for individuals/families at risk for chronic or disabling conditions. Under the guidance of receptors, the student nursing practitioners develop skills in process improvement, decision-making, and critical thinking. The course is designed to enhance the student's understanding of the complexities of clinical practice and the challenges of providing care to patients with chronic conditions.

NGR 5200L. Advanced Adult Health for Nurse Edu- cator Laboratory (1-3). Prerequisite: Term I core courses. This course provides opportunities for experience in the advanced practice role and in the application of the skills and knowledge gained in the classroom. Students will participate in simulations and clinical scenarios that provide hands-on experience in the role of the nurse educator. The course is designed to enhance the student's understanding of the complexities of clinical practice and the challenges of providing care to patients with chronic conditions.

NGR 5250. Issues in Geriatrics Seminar (1). Prereq- uisites: NGR 5002C, 5123, 5570, 5800. This course focuses on the identification and analysis of issues and trends relevant to the geriatric population. Topics are analyzed using a problem-based learning approach. The course emphasizes the identification of problematic issues through current research and associated publications.

NGR 5263C. Community Nurse Educator Laboratory (1). Corequisite: NGR 5002C. This course provides the student with opportunities to apply the knowledge and skills gained in NGR 5263 to real-world settings. Students will learn to develop and implement case management plans for individuals/families at risk for chronic or disabling conditions. Under the guidance of receptors, the student nursing practitioners develop skills in process improvement, decision-making, and critical thinking. The course is designed to enhance the student's understanding of the complexities of clinical practice and the challenges of providing care to patients with chronic conditions.
Department of NUTRITION, FOOD AND EXERCISE SCIENCES

College of Human Sciences

Chair: J. Michael Overton; Professors: Haymes, Molflatt, Overton, Sothe, Toole; Associate Professors: Aboud, Anderson, Bertram, Cook, Dorsey, Levenson, Rankins; Assistant Professors: Mistry, Panton; Visiting Professor: Hsieh; Assistants in Athletic Training/Sports Medicine: Garber, Sehgal; Adjunct Professors: Dupont, Stowers; Coordinator of Food Service Administration: Professor: Erdman; Hospitals: Kassouy, Affleck Faculty: Gibson, Hilker, Kelly, Latimer, Lunt, Oravetz, Perez, Tingle, Wall, Watson; Courtesy Faculty: Kesayhs

The Department of Nutrition, Food and Exercise Sciences is in a unique position nationwide to provide graduate coursework and research opportunities in human nutrition and food science, as well as in exercise physiology and motor learning. The combination of these respective areas of concentration within a single department facilitates integrative studies between diet and physical activity in the maintenance of health and the prevention and treatment of selected chronic disease states, as well as studies on the quality and safety of food.

Two master’s programs are offered in the department, one in nutrition and food science with an emphasis in food science, nutrition science, clinical nutrition, sports nutrition, or nutrition education and health promotion, and the other master's in movement science with a concentration in exercise physiology. Thesis and nonthesis options are available for the master’s programs.

The department also has a dietetics internship program which, in conjunction with the master’s degree in nutrition and food science, provides a postbaccalaureate route for students to become eligible to take the Registration Examination for Dietitians. Students applying for the internship program must have completed ADA plan IV or V requirements.

At the doctoral level there are also two programs, one leading to a doctor of philosophy (PhD) in human sciences with a concentration in either human nutrition science, and the other leading to a PhD in movement science, with a concentration in exercise physiology. These doctoral programs are designed to enable students to achieve mastery in a specialized area of nutrition, food science, or exercise physiology, and to become independent researchers. Research studies include nutrition and performance, environmental effects on exercise, exercise and lipoprotein metabolism, normal control of cardiovascular responses to exercise, sensory integration and autonomic function in chronic disease, nutrition education in the community and internationally, health behavior and health communication, eating disorders, computerization in nutrition education, obesity, trace mineral bioavailability and metabolism, protein biochemistry, nutrient regulation of gene expression, microbiological aspects of food, and food quality.

The department is developing a center for Biomedical Research Facility. Biomedical Research Facility.

Research Facilities

Facilities include laboratories with state-of-the-art equipment for research in the above listed areas. Labs are equipped for work in vitamin and mineral analysis, food safety, protein analysis and molecular biology, including Western, Northern and Southern analysis, PCR, DNA cloning and sequencing, HPLC, and microbiology. Core facilities are available for peptide synthesis, protein sequencing, oligonucleotide synthesis, mammalian cell culture, and molecular biology, and advanced technique in critical care nursing, emphasis on applications relevant to the health professions.

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The department is developing a center for Biomedical Research Facility. Biomedical Research Facility.
Scholarships and Fellowships

In addition to graduate teaching and research assistantships, students may apply for the Anne Marie Erdman Scholarship, which is awarded annually. Preference is to be given to international students. Minority applicants for the doctoral program should be aware that the area of nutrition and food science at The Florida State University has been identified as a target discipline for the Patricia Roberts Harris Fellowship.

Master of Science in Food and Nutrition

Areas of specialization include:
1. Food science;
2. Nutrition science;
3. Clinical nutrition;
4. Sports nutrition; and

Thesis (thirty [30] semester hours minimum) and nonthesis (thirty-six [36] semester hours minimum) programs are both available. In addition to meeting University admission requirements, admission to the nutrition and food science graduate programs requires a GPA of 3.0 or a minimum score of 1000 on the Graduate Record Examination (GRE). Students are expected to have background supporting courses in food and nutrition, general and organic chemistry, elementary biochemistry, microbiology, and physiology. Deficiencies in supportive courses may be met by completing courses at the undergraduate level while in residence for the graduate degree.

For the dietetic internship, students must first be admitted to the master’s program in nutrition and food science. In addition, the individual must submit verification that plan IV or plan V requirements for the American Dietetics Association (ADA) have been met. A selection committee makes the final recommendation for acceptance into the program.

Courses which must be completed by each master’s student in nutrition and food science are: FOS 5930, 5936, HUN 5242 or 5243, HUN 5802, HUN 5930 (three [3] semester hours minimum), statistics, and a course taken outside of the department at the graduate level and relevant to the area of specialization. Other courses are required depending upon the area of specialization. Thesis students must take HUN 5971 (six to nine [6–9] semester hours) and are required to write a prospectus and a thesis. Nonthesis master’s students must register for HUN 5906, Directed Individual Study (three to six [3–6] semester hours), while working on a special project or practicum which has been approved by their major professor, advisory committee, department chair, and dean. The remainder of the program is based on the discretion of the committee and the student’s area of professional interest. PET 6931r, Advanced Topics: Computer Applications (two [2] semester hours), is recommended but not required. Analytical chemistry is desirable for some specializations.

Master of Science in Movement Science

Students in Movement Science are offered a concentration in exercise physiology.

Both thesis (thirty-six [36] semester hours) and nonthesis (forty-five [45] semester hours) programs are offered. Admission to the exercise physiology program requires a GPA of 3.0 or a minimum score of 1000 on the GRE.

Core courses required for a concentration in exercise physiology are: PET 5235C, PET 5355C, PET 5930, HUN 5802, HUN 5930 (three [3] semester hours), EDF 5400 or STA 5156, PET 5367, HUN 6940r; and two courses from the following: PET 5389, 6365, 6368, and 6386. For the thesis option, the student must also take HUN 5906 (three [3] semester hours), HUN 5971 (six to nine [6–9] semester hours), and an additional elective (three [3] semester hours). For the nonthesis option, the remaining requirements include HUN 5906 (three [3] semester hours), PET 8945r (nine [9] semester hours), and additional electives (nine [9] semester hours).

Doctoral Programs

The doctor of philosophy in human sciences includes food science and human nutrition as areas of concentration.

In addition to meeting the University’s requirements for graduate admission, admission to all doctoral programs requires a GPA of 3.0 and a minimum score of 1000 on the GRE, three letters of recommendation, and a letter of intent describing research interests. A master’s bypass option is available.

The PhD program is competency-based and as such has no total hours requirement; however, the student must advance to mastery of the field of specialization. A diagnostic examination may be required during the first semester of residence to assist in planning the program of studies. An area of emphasis (nine to twelve [9–12] semester hours) outside the nutrition, food, and exercise sciences department is required. The committee member from the area of emphasis should be consulted by the student in selecting these courses. All courses are subject to approval by the student’s committee. Specific course requirements for all doctoral students with a concentration in food science or human nutrition are:
Advanced Undergraduate Courses

DIE 4244. Nutrition in Disease (3). Prerequisites: HUN 3270, HSC 3080, PET 3301C or equivalent; DIE 3035. Understanding disease: the role of nutrition in disease prevention.

DIE 5248. Clinical Nutrition in the Treatment and Prevention of Disease (3). Prerequisites: HUCH 3023C or equivalent; DIE 4244 or equivalent; PET 3301C or equivalent. Application of nutritional principles to the treatment and prevention of disease.

FOS 4244. Food Preservation (3). Prerequisites: Biochemistry or HUN 3225. Fundamental principles of food preservation.

FOS 4255C. Advanced Exercise Physiology (3). Prerequisites: PET 3380C. Advanced study of human movement science, nutrition and food science including physiological actions, and metabolism of the vitamins and minerals.

FSS 4451. Exercise Testing and Prescription (3). Prerequisites: PET 3380C. Design of tests for physical fitness assessment.

FSS 5419. Food and Nutrition Seminar (1). Prerequisite: DIE 3003. Managerial concepts and administration concerns involved with institutional food production.


HUN 5242. Cardiac Nutrition and Exercise (3). Prerequisite: HUN 5245. The effects of diet and physical activity on cardiovascular function.

HSC 5603. Models of Health Behavior (3). Psychological and social environmental factors influencing various health behavior patterns are presented.

HST 5802L. Research Design and Methodology Laboratory (1). Prerequisite: CHEM 1015. Basic research terminology, principles and techniques in movement science, nutrition and food science including laboratory methods and writing techniques.

HUN 5906r. Directed Individual Study (1–3). Supervised training for the master’s degree. May be repeated to a maximum of six (6) semester hours.

HUN 5909r. Food and Nutrition Seminar (1–4). Doctoral student presentations concerning research in the nutritional sciences. May be repeated to a maximum of four (4) semester hours.

HUN 5938r. Special Topics in Nutrition (3). Readings and discussion in special areas of nutrition, including obesity, smoking, and alcohol and other substance abuse problems. May be repeated to a maximum of six (6) semester hours.

HUN 5971r. Thesis (3–6). Supervised study. Only for students enrolled as DDS for the departmental doctoral directive status for the neuroscience program.

HUN 6248r. Advances in Nutrition and Food Science (3–12). Prerequisites: HUN 5242, 5243; PET 5936. Corequisites: DEH 5243. Application of the principles and concepts of nutrition therapy to meet nutrient, medical, social, and psychological needs. May be repeated to a maximum of twelve (12) semester hours.

HUN 6906r. Directed Individual Study (1–6). Supervised training for the master’s degree. May be repeated to a maximum of six (6) semester hours.

HUN 6911r. Supervised Research (3–5). Supervised training for the master’s degree. May be repeated to a maximum of five (5) semester hours.

HUN 6930r. Food and Nutrition Seminar (1). Doctoral student presentations concerning research in the nutritional sciences.

HST 6906r. Directed Individual Study (1–6). Supervised training for the master’s degree. May be repeated to a maximum of six (6) semester hours.

HST 6911r. Supervised Research (3–5). Supervised training for the master’s degree. May be repeated to a maximum of five (5) semester hours.

HST 6930r. Food and Nutrition Seminar (1). Doctoral student presentations concerning research in the nutritional sciences.

HUN 6940r. Supervised Teaching (1–3). Corequisites: DEH 5941. Application of instruction to food and nutrition research. May be repeated to a maximum of three (3) semester hours.

HST 6967r. Dissertation (1–12). Supervised training for the master’s degree. May be repeated to a maximum of twelve (12) semester hours.

HST 6985. Research Design and Methodology Laboratory (1). Prerequisites: CHEM 1015. Basic research terminology, principles and techniques in movement science, nutrition and food science including laboratory methods and writing techniques.

HST 7555. Advanced Exercise Physiology (3). Physiological effects of acute and chronic physical exercise.


PET 5355C. Cardiorespiratory and Anthropometric Evaluation and Development of Exercise Programs (3). Prerequisite: PET 5355C. This course is designed to examine the scientific basis of cardiorespiratory and anthropometric evaluation with a particular emphasis on aerobic capacity and body composition and to design, implement, and administer exercise programs for developing physical fitness.

Interdisciplinary Program in Neuroscience

The program in neuroscience provides interdisciplinary training leading to the degree of doctor of philosophy in neuroscience. Participating faculty hold appointments in the Departments of Nutrition, Food and Exercise Science, and Biological Science.

Students enrolled in the department of their initial faculty advisor/major professor but may take neuroscience courses offered by two or more of the participating departments. Some Department of Nutrition, Food and Exercise Science faculty are members of the neuroscience program, with doctoral directive status for the neuroscience PhD in addition to DDS for the departmental PhD. For Neuroscience faculty contact the Department of Biological Science or Psychology.

Interdisciplinary research training is available involving molecular, cellular, physiological and behavioral mechanisms in sensory biology (with special emphasis on chemical, auditory, visual and pain research), physiological and behavioral mechanisms in movement science, nutrition and food science including psychological actions, and metabolism of the vitamins and minerals. Interdisciplinary research training is available in exercise physiology and nutrition research.

Out-of-state and matriculation for student support, and provides numerous colloquia, symposia, and special courses in areas of particularly active or rapidly developing research. Out-of-state and matriculation waivers for neuroscience students in nutrition, food and exercise sciences are available on the same basis as for the rest of the department. For more information, see the “Program in Neuroscience” chapter in this Graduate Bulletin and the program in neuroscience website at http://www.neuro.fsu.edu.
Department of OCEANOGRAPHY

College of Arts and Sciences

Chair: Nancy H. Marcus; Professors: Burnett, Chanton, Clarke, Dewar, Froelich, Huetten, Iverson, Krishnamurti, Landig, Marcus, Nof, O’Brien, Speer, Stern, Thistle, Weatherly; Associate Professor: Kostka; Assistant Professors: Dittmar, Nowacek, St. Laurent; Director, Edward H. mall Marine Laboratory: Iverson; Director, Women in Math, Science, and Engineering Program: Marcus; Professors Emeriti: Hsueh, Sturges, Winchester

A graduate program in oceanography has existed at The Florida State University since 1949. The department offers both the master of science (MS) and doctor of philosophy (PhD) degrees in oceanography with specializations in: biological, chemical, geochemical, and physical oceanography. Especially during the last decade, the department has gained both national and international recognition. Our faculty members often chair sessions at national and international scientific conferences, and their research is reported in the best professional journals. Faculty members have been elected Fellows of the American Academy of Arts and Sciences, the American Association for the Advancement of Science, the American Meteorological Society and the American Physical Society. A faculty member has also been a recipient of the John Simon Guggenheim Award for students in their senior year of undergraduate preparation for each of the four areas of specialization in oceanography.

Requirements

Please review all college-wide degree requirements summarized in the "College of Arts and Sciences" chapter of this Graduate Bulletin.

The MS and the PhD degrees in oceanography are offered with specialties in biological, chemical, geochemical, and physical oceanography. Interdepartmental studies, for example, atmospheric chemistry, air-sea interaction, and geophysical fluid dynamics, are arranged in cooperation with the Departments of Biological Sciences, Chemistry and Biochemistry, Geological Sciences, Mathematics, Meteorology, Physics, Statistics, and the Geophysical Fluid Dynamics Institute.

As a minimum standard, a "B" average is expected in all undergraduate classes, and a total score of 1100 combined verbal and quantitative aptitude test is required of all applicants. Currently, most successful candidates score considerably above the minimum is necessary to assure admission to the limited number of places available.

The paragraphs below suggest the proper preparation for each of the four areas of specialization in oceanography.

Graduate Certificate Program in Oceanography

The department of Oceanography offers a graduate certificate program in oceanography for students in their senior year of undergraduate study in a science, math, or engineering program, or anyone who holds a bachelors degree in a relevant field (e.g., biology, chemistry, engineering, geology, mathematics, meteorology, physics). Applicants must have a 3.0 GPA; however, no standardized test scores are required.

This program offers an introduction to the interdisciplinary field of oceanography to enrich course work for professional work or as a precursor to graduate study leading to a degree. Program coursework is recorded on the student’s official university transcript and provides an educational credential that documents the additional training the student has received. To earn a graduate Certificate in Oceanography, students must complete fifteen (15) semester hours of coursework, including the writing of a research paper. The program of study must include two courses from the Core Curriculum, electives selected from the graduate level offerings in the department of Oceanography and supervised research in the final semester.

General Undergraduate Preparation

One year of college physics, one year of college chemistry, and one year of calculus.

Specialty Undergraduate Preparation

Biological: bachelor of science (BS) or bachelors degree (BA) in biology with course work in organic chemistry and introductory statistics; Chemical: BS or BA in chemistry, with course work in chemistry and introductory mathematics; Environmental: BS or BA in geology; Physical: BS or BA in physics, geophysics, meteorology, or mathematics or a BS in engineering; course work in advanced mechanics, differential equations, and advanced calculus (including vector calculus), partial differential equations, asymptotic methods, and fluid mechanics.

The MS degree requires that the student complete thirty-three (33) semester hours of course work and submit a thesis covering an original research topic. Reading knowledge of a foreign language is not required. A minimum of eighteen (18) of the required thirty-three (33) semester hours must be taken in the Department of Oceanography or in other scientific disciplines as the individual’s interest and research project dictate.

The student pursuing the PhD degree is required to take eighteen (18) semester hours of formal course work beyond the requirements for the master’s degree and perform original research leading to a dissertation. Doctoral candidates are offered considerable freedom in course load, commensurate with their interests and prior training.

Definition of Prefixes

MAP — Mathematics Applied
OCB — Biomedical Oceanography
OCC — Chemical Oceanography
OCE — Oceanography
OCG — Geological Oceanography
OCP — Physical Oceanography

Graduate Courses

Core Curriculum

OCB 5050. Basic Biological Oceanography (3). Introduction to the organization of benthic and planktonic communities in the ocean.

OCC 5051. Basic Chemical Oceanography (3). Prerequisite: CHM 1046. The chemical composition of seawater, carbon dioxide system, nutrients, trace elements, biogeochemistry.

OCE 5051. Basic Geological Oceanography (3). Structural and oceanographic setting of continents and ocean basins, plate tectonics, ocean margins, marine sediments, and ocean history.
Physical Oceanography

MAP 5431. Introduction to Fluid Dynamics (3). Prerequisite: PHY 3048C, MAP 4153; Corequisite: MAP 4341, 5345, or consent of instructor. Physical properties of viscous fluids, kinematics of flow fields, governing equations, viscous flow. Dynamics of viscous incompressible fluids, vorticity, boundary layer flow, potential flow. MAP 5434R. Advanced Turbulence and Hydrodynamics (2). Selected topics such as stability problems, linear and nonlinear theories; regular and singular perturbation techniques. Also offered in the departments of Mathematics, Computer Science, and Meteorology. May be repeated to a maximum of eighteen (18) semester hours. OCP 5160. Ocean Waves (3). Prerequisite: OCP 5259 or consent of instructor. Topics included are: general properties of waves; surface gravity, capillary, inertia-gravity, internal, Kelvin, Rossby; continental shelf and coastal trapped waves; many illustrations of how ocean variability can be described by free and forced waves. OCP 5253. Fluid Dynamics: Geophysical Applications (3). Prerequisites: MAP 5431 and partial differential equations, or consent of instructor. Shallow-water theory, Poincare, Kelvin, and Rossby waves; boundary layer theory; wind-driven ocean circulation models; geostrophic adjustment on a sphere, thermocline problem; stability theories; also offered by the departments of Mathematics, Computer Science, and Meteorology. OCP 5255. Stability of Geophysical Fluid Flows (3). Classical linear stability theory of fluid flows with applications in geophysical fluid dynamics. Specific topics include inviscid, viscous, and stratified parallel shear flow, thermal convection, double-diffusive systems, and rotating systems. OCP 5259. Eddies and Rings as Heat Exchange Mechanism (3). Prerequisites: MAP 5431; OCP 5056, 5253, 5285. Migratory behavior of eddies, rings, and gyres. Evolution and decay of eddies in the upper deep and intermediate ocean. OCP 5262. Coastal Ocean Dynamics (3). Prerequisites: MAP 5431, 5253; or consent of instructor. Dynamics of wind-driven coastal flow. Effects on coastal flows of coastline geometry, bottom topography, friction, and density stratification. An overview of the physical processes for advanced graduate students. OCP 5263. Equatorial Dynamics (3). Prerequisite: Consent of instructor. Forced and unforced equatorial ocean waves, reflection of equatorial waves from ocean boundaries, equatorial currents, El Nino/Southern Oscillation dynamics. OCP 5265. Main Ocean Thermocline (3). Prerequisites: MAP 5431, OCP 5261; or consent of instructor. Large-scale ocean dynamics and observations. Linear theories. Classical nonlinear theories. Ventilated-thermocline model and applications. Relation of thermocline to ocean circulation. OCP 5271. Turbulence (3). Prerequisite: OCP 5253. Turbulent transport of momentum and heat; dynamics of turbulence; homogeneous isotropic turbulence; wall bounded shear flows; statistical description of turbulence; spectra. Also offered by the Department of Meteorology. OCP 5285. Dynamic Oceanography (3). Prerequisite: OCP 5056. Currents with friction, effects of turbulence, thermohaline circulation, waves. OCP 5551. Physics of the Air-Sea Boundary Layer (3). Prerequisites: OCP 5253, MET 4302; or consent of instructor. Flux of momentum, heat and water; study of air sea interaction; mechanisms of exchange and budgets. Also offered by the Department of Meteorology.

Specialized Instruction and Seminar

OCP 5930R. Special Topics in Physical Oceanography (1–3). May be repeated to a maximum of thirty (30) semester hours.

OCP 5939R. Biological Oceanography Seminar (1). Prerequisite: OCP 5253. Meets weekly for reports and discussions of recent biological oceanographic research within and outside of the department. May be repeated to a maximum of ten (10) semester hours.

OCE 5419C. Advanced Biogeochemistry: Field Methods and Concepts (3). Prerequisite: OCE 5419. This course deals with a hands-on approach for the elucidation/quantification of environmental parameters and microbial processes and provides students with a tool kit of relevant field and lab techniques which may be used in a variety of environmental settings.

OCE 5509R. Special Topics in Chemical Oceanography (1–3). May be repeated to a maximum of thirty (30) semester hours.

OCE 5539R. Chemical Oceanography Seminar (1). Prerequisite: OCP 5253. Meets weekly for reports and discussions of recent chemical oceanographic research within and outside of the department. May be repeated to a maximum of ten (10) semester hours.

OCE 5908R. Directed Individual Study (1–12). (S/U grade only.)

OCE 5910R. Supervised Research (1–5, S/U grade only). A maximum of three (3) hours may apply to the master’s degree, five (5) to the PhD.

OCE 5940R. Supervised Teaching (1–5, S/U grade only). A maximum of three (3) hours may apply to the master’s degree, five (5) to the PhD.

OCE 5950R. Special Topics in Physical Oceanography (1–3). May be repeated to a maximum of thirty (30) semester hours.

OCE 5959R. Physical Oceanography Seminar (1). Prerequisite: OCP 5253. Meets weekly for reports and discussions of recent physical oceanographic research within and outside of the department. May be repeated to a maximum of ten (10) semester hours.

General

OCE 5509R. Advanced General Oceanography (3). An overview of geological, physical, chemical, and biological oceanography. The major hypothesis in each subdivision will be described. Cross-links between subdivisions will be used to show the interdisciplinary nature of modern oceanography.

OCE 5910R. 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 on environmental issues. May be repeated to a maximum of six (6) semester hours.

OCE 5556. The Earth System (3). This course examines the modern approach to understanding Earth’s climate history and climate change on a global scale. Consent of instructor. A minimum of six (6) semester hours is required.

OCE 6980R. Dissertation (1–12). (S/U grade only.) A maximum of twenty-four (24) semester hours is required.

OCE 8964R. Preliminary Doctoral Examination (0). (P/F grade only.)

OCE 8976R. Master’s Thesis Defense (0). (P/F grade only.)

OCE 8985R. Dissertation Defense (0). (P/F grade only.)
Graduate Courses

PHI 5105r  Greek Philosophy (3). Detailed study of Plato, Aristotle, or one of the schools or divisions of ancient thought (Pre-Socratic, Stoic, etc.). May be repeated to a maximum of twelve (12) semester hours.

PHI 5405r  Modern Philosophy (3). A critical study of selected major works of the seventeenth and eighteenth centuries, with an emphasis on logic, epistemology, and metaphysics. May be repeated to a maximum of twelve (12) semester hours.

PHI 5505r  19th-Century Philosophy (3). A study of either a major philosopher (e.g., Hegel, Marx, Mill) or philosophical movement (e.g., idealism, positivism, Marxism) of the nineteenth century. May be repeated to a maximum of twelve (12) semester hours.

PHI 5609r  Contemporary Philosophy (3). A detailed critical examination of selected figures and topics in twentieth-century philosophy. May be repeated to a maximum of twelve (12) semester hours.

PHI 6009r  Studies in the History of Philosophy (3). A course on major philosophers and trends that may bridge or extend over more than one distinct chronological period. May be repeated to a maximum of twelve (12) semester hours.

PHI 6135. Modern Logic I (3). Prerequisite: PHI 330 or equivalent. An introduction to the metatheory of first order logic. A mastery of the syntax and semantics of, and a natural deduction system for, first order logic is presumed. May be repeated to a maximum of twelve (12) semester hours.

PHI 6136r. Modern Logic II (3). Prerequisite: PHI 330r, or equivalent; or permission of instructor. An exploration of one or more non-classical logics, such as intuitionistic, many-valued, modal, provability, quantum, relevancy, and tense. A mastery of the syntax and semantics of, and a natural deduction system for, first order logic is presumed. May be repeated to a maximum of twelve (12) semester hours.

PHI 6305r. Philosophy of Science (3). A critical study of selected major works in the sciences and philosophy. May be repeated to a maximum of twelve (12) semester hours.

PHI 6345r. Philosophy of Biology: Basic Topics (3). A survey of basic topics in the philosophy of biology, including the nature of biological theory, the concept of scientific explanation, and the nature of biological science. May be repeated to a maximum of twelve (12) semester hours.

PHI 6346r. Philosophy of Biology: Selected Topics (3). A study of advanced topics in the philosophy of biology, including game-theoretic explanations in biology, the units of selection in biology, and the relationship between biology and the human Genome Project, creationism, ecologies, and ecological questions.

PHI 6457r. Philosophy of Biology: Selected Topics (3). A study of advanced topics in the philosophy of biology, including game-theoretic explanations in biology, the units of selection in biology, and the relationship between biology and the human Genome Project, creationism, ecologies, and ecological questions.

PHI 6506r. Metaphysics (3). A study of one or more topics in contemporary metaphysics, for example, ontology, free will, time, causation, and properties. May be repeated to a maximum of twelve (12) semester hours.

PHI 6607r. Ethics (3). Selected topics, such as the following: topics in the history of ethics, twentieth-century ethical theories, Kant's ethics, utilitarianism, and the history of ethics. May be repeated to a maximum of twelve (12) semester hours.

PHI 6808r. Aesthetics (3). A seminar exploring major problems in aesthetics, such as the nature of art, artistic creativity, the aesthetic appreciation, and representation. May be repeated to a maximum of twelve (12) semester hours.
Department of PHYSICS

COLLEGE OF ARTS AND SCIENCES

Chair: David Van Winkle; Associate Chair: Riley; Professors: Baer, Berg, Brooks, Dennis, Duke, Hagopian, Kemper, Manousakis, Owens, Prosper, Rikvold, Riley, Robson, Schlotmann, Singer, Sibner, von Molnar, Wahl; Associate Professors: Blessing, Bonesteel, Capstick, Dobrosavljevic, Lind, Ng, Piekarwicz, Shaheen, Zhou; Assistant Professors: Adams, Cao, Eugenio, Reina, Xiong, Yang; Visiting Assistant Professors: Volya, Wiedenhower; Professors Emeriti: Albritt, Desolge, Edwards, Fletcher, Fox, Kimel, Kromhout, G. Moulton, W. Moulton, Philpott, Plendl, Sheline, Skofronick, Testardi

The Department of Physics offers programs of study leading to the master of science (MS) and doctor of philosophy (PhD) degrees. The department is strongly committed to graduate education and research by maintaining a strong, well-funded, and diverse research program.

A basic goal of the program of graduate education is to prepare students for careers in research and related fields. It is intended that graduates will have the education and training necessary to enable them to make fundamental contributions, as evidenced by engagement in significant research in their chosen field. Further, it is anticipated that they will be peers with the next generation of technology leaders in industry, government, and academia.

The internationally recognized faculty includes many who have earned prestigious awards for their research and teaching, including the Nobel prize. Undergraduates, graduate students and post-doctoral fellows participate in all aspects of research in physics at The Florida State University. This research includes strong programs in the areas of computational, experimental and theoretical physics in high energy, nuclear, condensed matter, and atomic and molecular physics. Many opportunities exist 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 and Information Technology (CSIT), the Institute of Molecular Biophysics (IMB), and, as a separate degree program, in chemical physics. Students are expected both to begin their research early and to make significant progress in that research by the end of their second year in residence.

Research at The Florida State University involves a close collaboration between experimentalists and theorists (both analytical and computational) and between students and faculty. The department has an extensive technical support staff, populating two machine shops, an electronics shop, a technical graphics shop, as well as fabrication facilities, scattering electron research projects. Departmental facilities are fully networked and computational facilities abound.

Available experimental facilities include: a 9.5 MV Super FN Tandem Van de Graaff accelerator with superconducting post accelerator, 3 and 4-MV Van de Graaff electron spin resonance and electron double nuclear resonance spectrometers, a detector development laboratory for high-energy particle detectors, high resolution Fourier transform IR spectrometers, liquid helium and dilution 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 including high temperature superconductors, X-ray diffractometers with various sample stages for high and low temperature studies, multi-sample analysis and small angle studies, clean room and surface fabrication facilities, scanning electron, tunneling and optical microscopies with image analysis, quasi-elastic light scattering, polarized electron energy loss spectroscopy, and a helium atom surface scattering facility. Additionally, the NHMFLO boasts a modern infrastructure enabling research in magnetic fields including the highest powered DC fields in the world used mainly for materials science research, facilities providing the highest fields in the world for nuclear, ion cyclotron and electron magnetic resonance spectrometers as well as magnetic resonance imaging. All facilities mentioned are integral parts of the research programs of graduate students. More information on faculty research can be obtained by visiting the department’s website: http://www.physics.fsu.edu.

Computers are an essential part of almost all teaching and research programs in the department. The computational infrastructure is upgraded continuously to keep pace with advances in technology. The department is fully connected to the Internet and virtually all graduate students are active users of the computational facilities. In addition to their use in research, students are expected to utilize numerical methods for solving problems in their course work.

Requirements

Please review all college-wide degree requirements summarized in “College of Arts and Sciences” chapter of this Graduate Bulletin. The physics department also has a Guide to Graduate Studies in Physics at Florida State University.

This booklet is about twenty-five pages in length and contains all the requirements and advice to students studying graduate physics.

Course Requirements

The physics department offers six (6) core graduate courses that every research physicist should take. These courses are PHY 5246, Theoretical Dynamics; PHY 5524, Statistical Mechanics; PHY 5346 and PHY 5347, Electrodynamics A, B; and PHY 5645 and PHY 5646, Quantum Mechanics A, B.

For the Master’s degree a student must take three (3) of the above core courses, including at least one (1) course in Quantum Mechanics. For the PhD degree, the student is required to take either PHY 5667 or PHY 5670. Even though the other six graduate core courses are not specifically required, these courses should be part of the graduate program. Whether these courses are taken or not, students will be tested on their content in the written portion of the Preliminary Examination. After attaining mastery of the content of the core graduate courses, a PhD student is required to take two (2) of the following three (3) courses: PHZ 5305, PHZ 5354, and PHZ 5491. In addition the student is required to complete one (1) more course from the following set: PHZ 5307, PHZ 5355, and PHZ 5492. Though there are no specific course requirements, the student is encouraged to take other specialized courses that are offered by the physics department.

Examinations

Diagnostic Examination. All incoming students are required to take the diagnostic exam, given ten days before the start of the Fall semester. The purpose of this examination is to aid the Graduate Studies Committee in advising students in the selection of their courses. Other examinations are listed below.

Master’s Comprehensive Examination. For thesis students this examination is the defense of the thesis. For non-thesis students, this oral examination is given by three physics faculty members and covers the subjects of mechanics, quantum mechanics and electromagnetism. One of these areas, chosen by the student, will be examined at the graduate core course level. This examination is waived for students who have completed four (4) of the graduate core courses with a grade of “B” or better.

Preliminary Examination. The PhD preliminary examination consists of: 1) a written portion on the material in the first six graduate core courses listed above; 2) a written tentative prospectus of a research topic suitable for PhD dissertation; and 3) an oral examination by the
Doctor of Chemical Physics

The departments of Physics and Chemistry and Biochemistry offer an interdisciplinary program leading to a PhD degree in chemical physics system studies. The program is based on the “Chemical Physics” chapter of this Graduate Bulletin or by writing to: Chemical Physics Representative, Department of Physics, The Florida State University, Tallahassee, FL 32306.

Definition of Prefixes

PHY Physics
PHZ Physics: Specialized

Graduate Courses

Note: the prerequisites are to be interpreted rather liberally; in general, consent of instructor may be required.

PHY 5142. Current Topics in Physics: Part II (3).

Prerequisites: Consent of instructor. Corequisite: PHY 5645. Properties of nuclei and particles, relativistic kinematics, energy loss phenomena, nuclear structure, gauge theories, quantum chromodynamics, perturbative QCD, experimental design, quark model of particles and nuclei.
PHY 5154C. Visualization and Symbolic Application Methods in Physics (3). Prerequisites: PHY 4222; PHY 4151C. Instruction and practice in the use of computer graphics and symbolic mathematics to solve physics problems, symbolic algebra, differentiation, integration, linear algebra, differentiation equations and the generation of computer code from symbolic mathematics programs. Basic techniques in visualization for computer programs, interactive graphics.
PHY 5157. Advanced Numerical Applications in Physics (3). Prerequisites: PHY 5141C, 4604. Course consists of an introduction to numerical techniques for the solution of differential equations (D.E.) as well as an exploration of some of the power behind Monte Carlo (M.C.) methods.
PHY 5180C. Management of Scientific Computations (3). Prerequisite: COP 4710. Instruction and practice in the use of distributed computing, relational and object-oriented databases, automated processing and publishing techniques for conducting computationally and numerically intensive computations.
PHY 5227. Advanced Mechanics (3). Prerequisites: PHY 3220 or 5226 or its equivalent. The dynamics of rigid bodies. An introduction to Lagrangian and Hamiltonian mechanics. The dynamics of oscillating systems.
PHY 5254. Atomic Quantum Mechanics (3). Prerequisites: PHY 4222 or PHY 5227. Development of quantum mechanics, one and two particles, states and operators, commutation relations, bra-ket notation, Dirac's formalism, the Schrödinger equation, the wave function, quantum mechanics in phase space, quantum field theory.
PHY 5607C, 5608C. Quantum Theory of Matter A, B, (3, 3). Prerequisites: PHY 4605 or 5608C. Quantum mechanics of many-body systems, applications of some of the power behind Monte Carlo (M.C.) methods.
PHY 5654C, 5656C. Quantum Mechanics A, B, (3, 3). Prerequisites: PHY 4605 or 5608C. Development of quantum theory from wave mechanics to matrix mechanics, approximation methods with applications in modern physics, elementary quantum field theory, relativistic quantum mechanics, quantum mechanics of many-body systems.
**Department of POLITICAL SCIENCE**

**COLLEGE OF SOCIAL SCIENCES**

*Chair:* Dale L. Smith; *Professors:* Atkins, Barilleaux, Berry, Crew, Flanagan, Kim, Moore, Scholz, C. Weissert, W. Weissert; *Associate Professors:* Canache, Martin, Maestas, Mukherjee, Mitchell, Souva, Staton, Stokes; *Visiting Professors:* Ahn, Reenock; *Professors Emeriti:* Bone, Dyke, Flory, Glick, Gray, Palmer, Roady, St. Angelo, Vanderwiel; *Affiliated Faculty:* Feeoic

The Department of Political Science offers graduate programs leading to the master of science (MS) and doctor of philosophy (PhD) degrees. Instruction is offered in the following fields: American politics, comparative politics, international relations, public policy, methods of political analysis, and formal theory.

**Admissions**

Students pursuing a PhD or master’s with a major in political science are admitted to the graduate program in the fall semester only. Decisions about admission are usually based on the Graduate Record Examinations (GRE) scores and undergraduate and graduate work already completed, as well as letters of recommendation and the applicants’ own statement of interests and goals. The minimum GRE score for consideration is a combined score of 260 on the verbal and quantitative portions, with no less than 500 in either section. Admission to this major requires a grade point average (GPA) of better than “B” (3.0 on a 4.0 scale) on the second half of undergraduate work and a 3.5 on master’s level work already completed. Three (3) letters of recommendation and the applicant’s personal statement are required. Occasional deviations from these standards are allowed for applicants who possess exceptional qualities that are not reflected in these criteria. Because admission competition is so great, particular GRE and GPA guarantee acceptance. All materials must reach the department by February 1st to guarantee consideration for departmental assistantship awards.

Master’s students pursuing the applied American politics and policy major are admitted in the Fall, Spring, or Summer term. Admission to this major requires either a 3.0 GPA on the second half of undergraduate work, or a combined score of 1000 on the verbal and quantitative portions of the GRE. In any event, the GRE must be taken. The applicant’s statement of goals and interests (approximately 500 words) also is required.

**Placement**

Most students in the doctoral program expect to pursue a career as part of a university faculty and the department provides placement services to assist students in obtaining such positions, or other employment the student may desire. With alumni in professional positions on university faculty and in various government and research agencies in over 20 states and several foreign countries, the department is well represented in the discipline.

**Departmental Assistantships**

Departmental funding is awarded competitively, not only to provide financial assistance but also to afford outstanding students a structured experience in teaching and research. Such awards are generally granted only to those students who plan to complete their PhD in the department. The strongest applicants may be nominated for college or University funding, and will be considered for the department’s Collins Fellowship. Students can expect departmental funding to continue for up to four years (although it is awarded on a year-by-year basis) given timely progress and successful completion of the academic program and satisfactory performance of assistantship duties. Graduate assistants receive a salary and a tuition waiver for fall and spring semesters with summer stipends awarded separately. Fellowships are usually awarded for the full academic year.

**Master’s Degree**

Students are eligible for either the MS or the MA degree. The requirements for these are governed by University standards and are listed in the “Graduate Degree Requirements” chapter of this Graduate Bulletin.

**Major in Political Science**

The master’s program is a general one, intended to develop a broad familiarity with the concepts, methods, and findings of political science. When students do not expect to go on for a PhD, they are encouraged to distribute their course work over the various fields, while at the same time focusing their major effort on for a PhD, they are encouraged to distribute their course work over the various fields, while at the same time focusing their major effort on those areas that fit their career plans. Hours taken outside the department should be used to develop specific professional skills. While the PhD program is considered preparation for a particular profession, the master’s is not so explicitly aimed. It is important that individual students define for themselves what knowledge and skills they expect to develop during their master’s work.

A nonthesis master’s program includes thirty-three (33) semester hours of course work, with at least twenty-seven (27) of them on a letter-grade basis. A thesis program comprises thirty (30) semester hours, twenty-four (24) hours of course work and six (6) thesis hours, with twenty-four (24) on a letter-grade basis. Master’s candidates may take up to nine (9) hours outside the department. Up to six (6) semester hours may be transferred from another accredited institution.

Students must take one core seminar in two of the departments major fields: American politics, public policy, comparative politics, and international relations. All master’s candidates must take six (6) semester hours of methodology. The departments POS 5736 and 5737 are required for those continuing on to a PhD. Those in a terminal master’s program may substitute PAD 5700 and 5701 offered in the School of Public Administration and Policy.

**Major in Applied American Politics and Policy**

Students can also fulfill requirements for a master’s degree by undertaking the Applied American Politics and Policy curriculum, designed for students interested in training for careers in political and governmental organizations that relate to public policy and active politics. This is a thirty-seven (37) semester hours, non-thesis program, including twenty-four (24) semester hours of course work, a twelve (12) semester-hour internship or practicum, and a one (1) semester-hour program planning course. Twelve (12) of the twenty-four (24) semester hours are in required courses, the remaining twelve (12) semester hours are chosen from a list of approved electives.

**Doctoral Degree**

The doctoral program in the Department of Political Science is a four-year program designed to provide the highest quality of professional training in the discipline of political science and in the mastery of the methods of research. With the advice of the graduate director, students design their own program of studies by selecting one major and two minor fields.

Course work requirements typically add up to fifty-four (54) semester hours: twenty-four (24) semester hours in two major fields, including the advanced research seminar in each; eighteen (18) semester hours in required methods and...
research electives; and twelve (12) semester hours of electives, including at least one (1) core seminar outside the two major fields.

Once students have completed all their course work requirements (typically in the third year), they are eligible to take the doctoral preliminary examinations.

Students are expected to defend their dissertation prospectus in the spring semester of their third year, and to make substantial progress on their dissertations by the beginning of their fourth year in the program. Twenty-four (24) semester hours of dissertation work are required. Once the dissertation is completed and accepted by the major professor, it must be defended in an oral examination conducted by the dissertation committee. The dissertation must be a significant contribution to knowledge on a topic connected with the student’s major field of study. It should reveal the student’s ability to analyze and synthesize ideas from the student’s major subfield and department, or original research and should represent a substantial scholarly effort on the part of the student that is of sufficient quality to merit publication by a recognized professional journal or press.

International Relations
INR 5007. Seminar in International Relations: International Politics (3). A comprehensive survey of hypotheses, models, and theories relating to the analysis of international politics.
INR 5014. Contexts and International Relations (3). This course considers the impact geographic and historic factors exert on the events and phenomena related to international relations. It looks at the many ways that such contextual forces may influence national and international processes.
INR 5036. Comparative Political Economy (3). Analyzes the basic issues surrounding the interaction of politics and economics in international relations, including arguments that economic determinism and the political outcomes of various theories regarding the interaction of political policies, and economic policies.
INR 5037. Development, Dependence, and Inequality (3). Analyzes the impact of the interaction between politics and economics on the distribution of wealth within and across nations and states. The course focuses on the role of interna
tional politics in the process that determines the distribution of wealth in the world will serve as its principle themes.
INR 5068. International Conflict (3). Undertakes a comprehensive review of the theory and research on international conflict. A wide range of traditional theories on the causes of war are examined as are a number of topics such as deterrence theory, theories of coercive diplomacy, and the question of the utility of force in the nuclear age.
INR 5090. Selected Topics (3). Designed for study of international relations and politics. Undertakes a survey of the comparative field to familiarize the student with topics relevant to groups and organizations in the political process.
POS 5277. Electoral Politics (3). A survey of the research literature on political participation, voting behavior, and the impact of elections on government and policy. Primary emphasis is on recent American politics, but comparative and international dimensions of electoral phenomena are explored as well.
POS 5287. Seminar in American Government and Public Policy: Judicial Politics (3). Emphasis is on courts as political institutions. Analysis covers the behavior of courts from the U.S. Supreme Court to local small claims courts and the ways in which court decisions may influence other aspects of public policy and political institutions. Topics include federal judges, judicial decisionmaking, judicial policy, and the implementation of judicial policy.
POS 5272. Legislative Politics (3). The behavior of legislators and the influences that shape that behavior in the legislative process.
POS 5456. Interest Groups and Policy (3). Focuses on the activities of interest groups and public policy, and theories relevant to groups and organizations in the political process.
POS 5724. Selected Topics (3). Varies with instructor and semester. May be repeated to a maximum of nine (9) semester hours.
POS 5726. Economic Models of American Politics (3). Economic theories and concepts provide interesting insights into political behavior. The purpose of this course is to introduce students to economic models and conceptualizations of American politics in a nonmathematical fashion.

Graduate Courses

Comparative Politics
CPO 5036. Politics of Developing Areas (3). Analyzes major forces that influence the development of countries, including geography, history, culture, economics, and international interdependence. Examines both the problems that must be overcome and the challenges that can arise in the development of the world’s third world to gain parity with the first world and the ability of the first world to facilitate that transition.
CPO 5091. Core Seminar in Comparative Government and Politics (3). This core seminar offers a broad survey of the comparative field to familiarize the student with the scope and variety of approaches, theories, methods, and findings used in comparative politics, including both the classics in the field and the most recent new research directions.
CPO 5127. Seminar in Comparative Government and Politics: The Middle East (3). Covers the political systems of the Middle East and their social, economic, and cultural foundations.
CPO 5557. Seminar in Comparative Government and Politics: Japan (3). Japan is studied from cultural and sociological as well as political perspectives. Topics include Japan’s domestic institutions and development, as well as the role of international forces in Japan’s development and foreign relations.
CPO 5644. Russian Politics (3). Introduces the student to the issues involved in conducting political science research on Russian politics from 1917 to the present. Examines the application of the general comparative political theories to Russian politics.
CPO 5740. Comparative Political Economy (3). This course deals with the interaction between politics and economics in national economic policies. The course is theoretical and empirical in orientation.
CPO 5934. Selected Topics (3). Varies with instructor and semester. May be repeated to a maximum of nine (9) semester hours.
CPO 6910. Advanced Research in Comparative Politics (3). Prerequisite: POS 5746 or permission of instructor. Examines and applies the mathematical models used to understand political phenomena. Develops insight into how formal theorists build analytical models and prove results.

Methods of Political Analysis
POS 5723r. Game Theory (3). The purpose of this seminar is to survey game theory with a specific emphasis on utilizing those mathematical models to understand political phenomena. Thus, there will be a dual focus on tools and exemplary applications. May be repeated to a maximum of six (6) semester hours.
POS 5726. Social Choice Theory (3). This course is a survey of social choice theory with emphasis on utilizing mathematical models to understand political phenomena. Examines the methods of political decisionmaking.
POS 5736r. Research Design (3). Acquaints students with the basic processes involved in the conduct of research. Students are expected to apply these processes in the examination of a research problem of their own design. May be repeated to a maximum of six (6) semester hours.
POS 5737r. Political Science Data Analysis (3). Prerequisite: POS 5736 or permission of instructor. Introductions to statistical data analysis and to the methods of causal inference. Topics include measurement (reliability and validity), univariate and bivariate descriptive statistics, principles of statistical inferential skills. May be repeated to a maximum of six (6) semester hours.
POS 5746r. Quantitative Analysis in Political Science (3). Prerequisite: POS 5737 or permission of instructor. Acquaints students with multivariate statistical techniques emphasizing regression analysis. Students are expected to acquire the techniques to a research problem of their own design. May be repeated to a maximum of six (6) semester hours.
POS 5747r. Advanced Quantitative Analysis in Political Science (3). Prerequisite: POS 5746 or permission of instructor. Focusing on a variety of advanced techniques for quantitative political science research, including regression and nonrecursive structural equation models, factor analysis and covariance structure models, and methods for time-series analysis. May be repeated to a maximum of six (6) semester hours.

American Government
POS 5036c. Seminar in American Government and Public Policy: Selected Topics (3). Varies with instructor and semester. May be repeated to a maximum of nine (9) semester hours.
POS 5045. Seminar in American Government and Public Policy: National Government: The Federal Government (3). Focuses specifically on the presidency, the Congress, the Supreme Court, and the federal bureaucracy as a point of entry for approaching each major institution of national government by looking at the way in which its occupants are selected, at the way in which the institution operates internally, and at its relation with the other major institutions of national government. Serves as the basic introduction to American government for graduate students.
POS 5127. State Government and Politics (3). A comparative analysis of the organization and behavior of major political institutions at the subnational level. Topics include state constitutions, federalism, political participation, political parties, interest groups, legislatures, courts, governors, and administration, as well as political analysis of various political processes such as education, welfare, transportation, environmental protection, and civil rights.
POS 5208. Selected Topics in Political Behavior (3). Varies with instructor and semester. May be repeated to a maximum of nine (9) semester hours.
POS 5272. The American Political System (3). An introduction to public policy making in America, with special attention paid to public opinion on policy issues and the role of public opinion in the policy-making process. Practical experience in survey research is provided for the analysis and execution of a class opinion survey on some policy issue.
POS 5277. Electoral Politics (3). A survey of the research literature on political participation, voting behavior, and
with an emphasis on the various models used to study public policy.

PUP 5009r. Public Policy (3). To provide a broad survey of the major theoretical and empirical studies of public policy, including both the pluralist and elitist frameworks, systems analysis, institutional approaches to policy formulation, typologies of policy outcomes, agenda-setting, and policy implementation and impact. May be repeated to a maximum of six (6) semester hours.

PUP 5207. Environmental Politics and Policy (3). This course focuses on the actions taken by governments to protect and improve the environment, particularly in the United States. It examines the basic scientific principles that lie behind the need for environmental programs, and the characteristics of the major institutional actors in environmental policy making. United States environmental legislation and the consequences of these policies, as well as the role of the environment and environmental protection in the international arena are explored. No science background is required or assumed.

PUP 5355. Aging Politics and Policy (3). Surveys current public policies for older persons, addresses for the aged, the political behavior and participation of seniors, past aging policy developments, current problems, and future possibilities.

PUP 567. Politics of Health Policy (3). This course examines the processes and institutions that make health policy in the United States. Policy analysis is emphasized, with a focus on the current health policy agenda, solution options, and their politics and prospects.

PUP 5927r. Selected Topics (3). Topics vary. May be repeated to a maximum of nine (9) semester hours.

PUP 6910r. Advanced Research in Public Policy (3). Prerequisite: PUP 5207 or consent of instructor. Students will discuss strategies for research in public policy and design, and will submit a research project relating to the specific topic of the course.

Other

POS 5090r. Directed Individual Study (1–3). May be repeated to a maximum of twenty-seven (27) semester hours.

POS 5915. Political Science Research Practicum (3). Prerequisite: POS 5746 or permission of instructor. This course gives students experience in conducting political science research. Students will individually design and implement a research project under the supervision of a faculty adviser.

POS 5919r. Supervised Research (1–5). (S/U grade only.) Only three (3) hours may apply towards master’s degree. May be repeated to a maximum of five (5) semester hours.

POS 5940r. Supervised Teaching (1–5). (S/U grade only.) Only three (3) semester hours may apply towards master’s degree. May be repeated to a maximum of five (5) semester hours.

POS 5946r. Teaching Political Science at the College Level (3). Prerequisite: Departmental funding or instructor permission. Provides instruction in teaching responsibilities and techniques, and the special problems and challenges in teaching mainly undergraduate political science courses. Required of all funded graduate assistants and open to other interested graduate students. May be repeated to a maximum of six (6) semester hours.

POS 5971r. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours is required. All graduate coursework required. May be repeated to a maximum of six (6) semester hours.

POS 6930r. Profession of Political Science (0–6). (S/U grade only.) Students participate in research colloquia and seminars on research, academic considerations, and professional ethics. May be repeated without limitations.

POS 6960r. Preliminary Examination Preparation (1–12). (S/U grade only.) All graduate course requirements must be satisfied before enrolling. May be repeated to a maximum of twelve (12) semester hours.

POS 6980r. Dissertation (1–12). (S/U grade only.) May be repeated for credit.

POS 8964r. Preliminary Doctoral Examination (0). (P/F grade only.)

POS 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

POS 8985r. Dissertation Defense (0). (P/F grade only.)

SYD 5145. Population Policy (3). Also offered by the Department of Sociology. See description there.

Applied American Politics and Policy

POS 5085. Governmental Relations for Business (3). This course focuses on the activities employed by corporate organizations to influence governmental relations. The primary objective of the course is to provide students with a practical understanding of this component of business and how this function is developed, managed, and evaluated.

POS 5096. Political Fund-Raising (3). This course examines financial rules and laws, organization of fund-raising events, planning, direct marketing, and other topics. The purpose is to provide students with knowledge and skills that will enable them to successfully direct fund-raising efforts.

POS 5203. Fundamentals of Political Management (3). This course is designed to provide basic knowledge about and a common framework for understanding contemporary American politics. Topics include the political system, political industries and underlying political beliefs.

POS 5274. The Campaign Process (3). A theoretical and practical approach to campaign planning and administration for persons seeking relevant active political careers or academic specializations.

POS 5276. Political Communication and Message Development (3). This course introduces students to the specialized forms of communication used by political professionals. Students learn how to produce strategically sound and rhetorically powerful messages for electoral campaigns, policy campaigns, and crisis situations, as well as how to evaluate the message of others.

Other

The primary goal of graduate study in psychology at The Florida State University is to produce scholars with sufficient breadth and depth to permit independent and significant research. While the major emphasis is on the preparation for research, students are also given the necessary background for teaching and/or application of psychological science. Only students whose intentions are to achieve the doctoral degree during full-time study are accepted for the graduate programs in psychology.

Research opportunities are abundant in the Department of Psychology. Faculty members attract a high level of research grant support from federal and state agencies, including the National Institutes of Health and the National Science Foundation. Total funding on an annual basis currently approximates $6,000,000.

Information about the Department of Psychology, its graduate programs and faculty is available on the world wide web: http://www.psy.fsu.edu.

Facilities

The physical facilities of the Department of Psychology currently occupy two interconnected buildings as well as other locations conveniently situated on campus. The main Psychology Building and interconnected Kellogg Research Building contain classrooms, offices, laboratories, and support facilities. The support facilities include fully staffed and equipped electronic, computer, and instrument design machine shops that are operated by the department’s technology support group. Instruction in behavioral, physiological, and neuroanatomical techniques is provided both in formal course work and in laboratory settings. A molecular neuroscience laboratory provides equipment and training for studies of gene function, and for gene expression, as well as techniques to measure level of hormones and neurotransmitters.

The department administers an on-campus psychology clinic which offers outpatient assessment and therapy services to the community. This facility provides excellent clinical training opportunities for doctoral students, who render these services under close supervision of clinical faculty. Audio and video monitoring of therapy rooms permit direct observation of therapy cases by faculty. In addition, a new state-of-the-art psychology building is being constructed. The new complex will be four stories, with three wings and an auditorium. It will feature 49 research laboratories, wireless...
communication, a 9,000 square foot student courtyard, a NIH–compliant vivarium, and undergraduate and graduate student computer rooms, incorporating the entire department into a single home of 103,000 net square feet. Visit our website at http://www.psy.fsu.edu for more details.

Financial Aid

The Department of Psychology makes every effort to provide financial assistance, including stipends and tuition waivers, for graduate students in good standing in the department. Students who request financial assistance typically receive some kind of support throughout their graduate careers. They may receive the following: fellowships, teaching assistantships, research assistantships, departmental assistantships, minority program fellowships, and community agency placements.

Doctoral Programs

The Department of Psychology is organized into five specialized programs for graduate instruction that reflect the mainstream emphases in the field. The programs are in clinical psychology (the assessment, treatment, and study of the determinants of pathological behavior in children and adults with emphasis on biological, cognitive, and environmental factors), cognitive psychology (the study of how humans process complex information received by the senses), developmental psychology (the study of physical, cognitive, and social change throughout the life span), neuroscience (the study of the biological bases of behavior), and social psychology (the study of how we think about, influence, and relate to one another).

Clinical Psychology

The PhD program in clinical psychology has been continuously accredited by the American Psychological Association since 1954 (APA Office of Program Consultation and Accreditation, 750 First Street, NE, Washington, DC 20002-4242, 202-336-5979). The program promotes a scientifically-based approach to understanding, assessing, and ameliorating cognitive, emotional, behavioral, and health problems, as well as provides concurrent, integrative training in clinical psychology and related areas of service delivery so that graduates are prepared not only to apply current knowledge, theories, and techniques, but are also able and motivated to remain at the cutting-edge of the field.

There are no formal “tracks”; instead, all students are expected to master the basics of both psychology and of both theoretical and applied psychology in clinical psychology in particular. Beyond the second year, students can pursue specialization with focused activities in research, advanced coursework, and clinical practice.

The program conforms to a mentorship training model. Students are accepted into the graduate program, in part based on a match between their interests and those of the clinical faculty. Early and intense involvement in research is the cornerstone of a good clinical science program and to this end students (beginning in their first semester) complete a one-year research apprenticeship with the faculty member who recruited them. Students are encouraged to be continuously involved in ongoing research and it is common for some clinical graduate students to pursue research in collaboration with their major professors, as well as with other faculty and students.

An investigatory approach to the understanding of psychopathology and the practice of clinical psychology involves the exploration of a variety of mechanisms through a variety of methods including formal coursework and supervised practice. We strive to integrate clinical practice and research at every opportunity. Numerous community and campus facilities have a close liaison with the psychology department and provide for both pre-professional training and research opportunities with diverse patient populations. The clinical program administers a psychology clinic where the faculty provides supervision for students working with children and adults from the surrounding communities. In addition, active clinical training/research programs are maintained with inpatient psychiatric hospital facilities, a sophisticated evaluation center for children, a juvenile treatment program, and a variety of other agencies. The clinical practice aspect of training culminates in a required, one-year predoctoral internship at an APA-approved setting. Students in this program have established a long history of success in competition for preferred internships across the country.

Cognitive Psychology

Cognitive psychology is the study of mental processes such as perception, attention, memory, language processing, and thinking. We have active research programs in attention, cognitive aging, expert performance, memory, psycholinguistics, reading and skill acquisition. Our aim is to have students produce a high-quality publication that will make them competitive for jobs as researchers and educators in universities and colleges, in government, and in private consulting firms.

Graduate training in the cognitive program is a system of mentorship by the graduate advisor, typically the same professor who recruited the student into the program. Research begins in the first year and involves close collaboration with the graduate advisor. Graduate students gradually take on a more central role in the research, culminating in the dissertation. There are opportunities for students to collaborate with other faculty to gain broader research experience.

The research interests of the faculty span the breadth of cognitive psychology and provide many different areas for graduate training. One focus is on expert performance and skill acquisition, work that challenges the idea that skilled athletes, musicians, and chess players are born rather than trained. The program is committed to the remarkable effects of training and practice. A second focus aims to specify key components of reading acquisition in order to identify and prevent reading disabilities. A third focus is on language processing, from the acquisition of syntactic structures to the formation of models of language use. In addition, the faculty and graduate students in the laboratory use a variety of techniques including fMRI, event-related potentials. The laboratories use methods such as functional imaging, eye movement, and auditory and visual presentation.

Social Psychology

The social psychology program involves the scientific examination of how people think about, influence, and relate to each other. The program provides opportunities for students with in-depth training in the areas of personality and social psychology, focusing on both basic and applied social psychological research. The goal of the program is to prepare students for future positions as researchers and educators. Coursework provides students with an education in a broad range of areas including classic and contemporary issues in social psychology and methodological and statistical approaches to psychological research. In-depth seminars are offered in psychology and the law, prejudice and stereotyping, and the self. Graduate students develop further expertise in a specific area or areas of social psychology through hands-on research, in collaboration with one or more faculty members in the social program. Students also may have opportunities
to collaborate with faculty in the other psychology programs whose interests and expertise are relevant to social psychology.

The areas of research interest and expertise of the Social Psychology program's faculty provide several opportunities for interested graduate students to pursue. Some of the work done here focuses on self and identity, including issues of self-control, self-knowledge, self-deception and defense mechanisms, self-presentation and impression management, and how the self operates in social interactions. There is also research on how people respond to their pride or “threatened egotism,” including effects on decision-making and on aggressive responses. Another line of work emphasizes the “need to belong” as a basic motivation, including studying what happens when people are rejected or excluded. Emotion is another focus of study, including issues of how emotions affect decision-making and how people seek to control or stabilize their emotional states. Other work focuses on prejudice and stereotyping, examining the factors that lead to anxiety in interracial interactions and that may result in the avoidance of interracial contact. Related work explores the prejudice reduction process and the implications of race for responses to criminal suspects. Several other lines of research apply evolutionary perspectives to topics including prejudice, romantic relationships, and prosocial/altruistic behavior. This work focuses on how people’s motives and emotions influence whom they pay attention to, whom they remember, and how they evaluate others. Some of this work also examines motives leading people to help others, take risks, and behave aggressively or competitively. Performance under pressure, including what causes people to choke under pressure, is also an ongoing area of research. Last, there is some research on the social aspects of sexual behavior. Students may specialize in one research area but are encouraged to work in several in order to broaden their experience.

Interdisciplinary Program in Neuroscience

The doctoral program in neuroscience offers students broad training in brain and behavior research. Areas of emphasis include sensory processes (with special focus on the chemical, auditory, and pain senses), neural development and plasticity, circadian rhythms, behavioral and molecular genetics, regulation of energy balance and hormonal control of behavior. Interdisciplinary training is encouraged and short-term lab rotations are offered in the labs of Neuroscience faculty in Psychology, Biological Science, Nutrition, Food, and Exercise Sciences, and Biomedical Science. Training in molecular, system level and behavioral aspects of neuroscience is available, including courses in neuroanatomy, mammalian physiology, biochemistry, behavior, computer science and statistics. Exceptionally well-equipped facilities for instruction and research are a hallmark of the program. An active colloquium series in the neurosciences, and special topics courses, bring students into contact with leaders in the field from other universities. Supervised teaching of laboratory sections or, for advanced graduate students, teaching of lecture courses is encouraged. In route to the doctoral degree in Neuroscience, students may pursue a master's degree in psychology with a major in psychobiology with the approval of the faculty supervisor and training committee. For more information, see the separate entry “Interdisciplinary Program in Neuroscience” in this Graduate Bulletin and the program in neuroscience website at http://www.neuro.fsu.edu.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Admissions

New students are accepted for enrollment only in the fall semester of each year. Completed applications are due by December 15th for all programs except cognitive psychology (January 5th). Applicants should contact the department to confirm deadlines, as they may change from one year to the next.

Applicants must satisfy all admission requirements and policies set by the department and University. Admission to graduate study is based upon a combination of factors, including undergraduate and graduate grade point average, Graduate Record Examination scores, letters of recommendation from professional, academic, or prior experience, and the applicants personal statement. Students who have demonstrated an interest in research prior to applying to the doctoral programs will be given priority.

Departmental Degree Requirements

The general requirements of the department are kept to a minimum in order to encourage students to be educated in accordance with each program area’s own interests and goals, as well as those of the students. The basic requirements are outlined below; these and other requirements are more completely described in the department’s Guidelines for the Operation of the Doctoral Programs.

Predoctoral Program

Core Curriculum

Students complete one advanced statistics course. In addition, a basic statistics course is required if the student has not previously taken an introductory statistics course.

Research Apprenticeship

First-year students work 10 hours per week with a faculty member who is conducting research in an area of interest to the student. This collaborative work typically evolves into a master’s thesis during the second year.

Empirical Master’s Thesis

The student’s supervisory committee decides whether the student must complete an empirical thesis and obtain a master’s degree. The committee may waive the departmental core curriculum and/or thesis requirements and may recommend entry to the doctoral program without completion of the master’s degree. Completion of alternative requirements may be specified by the committee prior to approval for entry to the doctoral program.

Note: most program areas require completion of the master’s degree prior to to entry to the doctoral program.

Doctoral Program

With the approval of the pre-doctoral supervisory committee, students formally enter the doctoral program. Students with master’s degrees from other institutions enter the doctoral program after they have completed the departmental core requirements and research apprenticeship, and after their previous graduate work and empirical theses have been evaluated and approved by the faculty. The following are required for the doctoral degree after students are admitted to the doctoral program:

1. Two (2) of the following core courses: DEP 5165; EXP 5406, 5508; PPE 5055; PSB 5056, 5341, or PCB 5845; PSB 6059; PSY 6919; and SOP 5053.
2. A written preliminary doctoral examination or a theoretical/critical literature review paper plus oral exam; and
3. A dissertation research project.

Program Area Requirements

Program areas have minimum requirements beyond those established for the department; these must be completed prior to the doctoral degree and a time sequence is specified for some requirements. In addition, students work closely with their supervisory committees to develop an optimum combination of course work, research experience, and applied training to meet their professional goals. Program requirements are reviewed periodically by the faculty and may change.

Clinical Psychology Program

Clinical psychology students are required to obtain a master’s degree. The preliminary doctoral exam for clinical students is a written examination. In addition, the clinical program requires students to complete an independent project which may take a variety of forms (e.g., a grant proposal) at any time prior to the defense of the dissertation prospectus. The following courses, clinical practica, and one-year internship meet the requirements for graduate education in clinical psychology established by the American Psychological Association.

1. General Core. Students must take SOP 5053; PSB 5056; DEP 5165; PPE 5055; and either EXP 5406 or 5508;
2. Background. PSY 5605;
3. Determinants of Abnormal Behavior. CLP 6169 and 5475;
4. Research Methodology. CLP 5375; EDF 5401 or equivalent (satisfies departmental core requirement) plus one additional statistics course;
5. Assessment. PSY 5325;
6. Behavior Change. CLP 5196 and 5475;
7. Professional Ethics. CLP 5624 and 6920. Ethical issues are an integral part of every clinical course and practicum in light of their central importance to the profession of clinical psychology;
8. **Proseminar.** CLP 6920 (required every semester for clinical students in residence);

9. **Advanced Seminars.** At least three advanced seminars or courses are required beyond those listed above. A strongly recommended seminar addresses issues in minority mental health;

10. **Clinical Practicum.** CLP 5941r and 5942r: a minimum of 550 hours are completed in the psychology clinic over a consecutive 12-month period beginning in the students second year in the program. Students also have the opportunity to gain additional supervised applied experience in community agencies that provide funding; and

11. **Internship.** PSY 6948.

**Cognitive Psychology Program**

1. **Psychology Content Core.** EXP 5508; one of the following courses: DEP 5165, EXP 5406, PPE 5055, SOP 5053, PSB 6059 (behavioral endocrinology), PSY 6919 (cross-area seminar) or PSB 5056, PSB 5341, or PCB 5845; EXP 6920; and four (4) advanced courses other than those listed previously as part of the content core.

2. **Research/Experiential Core.** Master’s thesis (PSY 5973r); PSY 5917r; PSY 6656r; PSY 6790r; PSY 6942r; and three (3) statistics courses from a list of designated courses.

**Developmental Psychology Program**

1. **Psychology Content Core.** EXP 5508; one of the following courses: EXP 5406, EXP 5508, PPE 5055, SOP 5053, PSB 6059 (behavioral endocrinology), PSY 6919 (cross-area seminar) or PSB 5056, PSB 5341, or PCB 5845; and four (4) advanced courses other than those listed previously as part of the content core.

2. **Research/Experiential Core.** Master’s thesis (PSY 5973r); PSY 5917r; PSY 6656r; PSY 6790r; and three (3) statistics courses from a list of designated courses.

**Social Psychology Program**

1. **Psychology Content Core.** SOP 5053; one of the following courses: DEP 5165, EXP 5406, EXP 5508, PPE 5055, PSB 6059 (behavioral endocrinology), PSY 6919 (cross-area seminar) or PSB 5056, PSB 5341, or PCB 5845; SOP 6920; and four (4) advanced courses other than those listed previously as part of the content core.

2. **Research/Experiential Core.** Master’s thesis (PSY 5973r); PSY 5917r; PSY 6656r; PSY 6790r; and three (3) statistics courses from a list of designated courses.

**Interdisciplinary Program in Neuroscience**

1. **Required Courses.** PCB 5845; PSB 5341; PSB 5231L; PSB 5057; PSB 5077; PSY 5908r (2 sections); PSY 6070r; PSY 6920r; PSY 6933r;

2. **Core Electives.** One (1) course from a Physiology Cluster of designated courses and one (1) course from a Behavioral Cluster of designated courses;

3. **Research Presentations.** At least two (2) formal research presentations in addition to the dissertation defense;

4. **Teaching.** Two (2) semesters of teaching experience.

**Master’s Degree in Psychology with a Specialty in Applied Behavior Analysis (Panama City Campus)**

The Department of Psychology offers a separate master of science degree with a specialty in applied behavior analysis at the Panama City campus. Graduates of this program are prepared for employment in the public and private sectors as behavior analysts. The program of studies prepares students to become Certified Behavior Analysts in Florida. In contrast to the Tallahassee campus programs described above, the degree offered at Panama City is a terminal master’s and a thesis is not an option. A comprehensive exam is required toward the end of the program. Thirty-nine (39) semester hours of psychology courses are required, including nine (9) semester hours of practicum. The courses include: EAB 5700, 5701, 5710, 5711, 5721, 5780, 5796, 5940, 5941, 5942, 6130; PSB 5056; DEP 5165. This program may be completed in six (6) semesters.

Applicants must satisfy all admission requirements and policies set by the University and the Department of Psychology, including a minimum GPA of 3.0 and a minimum score of 1000 on the combined verbal and quantitative portions of the aptitude test of the GRE. A baccalaureate degree is required; a major in psychology is desirable but not required. Applicants must have completed at least twelve (12) semester hours of undergraduate and/or graduate courses in psychology prior to admission. Prerequisite courses are research methods, conditioning and learning, applied behavior analysis, and history and systems. Prerequisite courses must have been passed with a grade of “B” or better. The first three courses listed above must be completed before the student begins the program. History and systems may be taken while enrolled in the program. Experience applying the principles of applied behavior analysis in a real-world setting is desirable.

Applicants must submit the following to be considered for admission to the master’s program at Panama City:

1. Completed university and departmental application forms;

2. Official GRE scores;

3. Three letters of reference (a minimum of two should be from former professors);

4. A personal statement; and

5. Official transcripts of previous undergraduate and graduate coursework.

The application deadline is March 1st for Fall admission (the deadline should be confirmed with the department as it is subject to change.)

For further information about admission and degree requirements for the master’s program in Panama City, contact the: Graduate Office, Department of Psychology, The Florida State University, Tallahassee, FL 32306-1270; (850)-644-2499, grad-info@psy.fsu.edu, or visit the website at http://www.psy.fsu.edu.

**Definition of Prefixes**

CLP — Clinical Psychology

CYP — Community Psychology

DEP — Developmental Psychology

EAB — Experimental Analysis of Behavior

EXP — Experimental Psychology

PCB — Process Biology

PB — Personality

PSB — Psychobiology

PSY — Psychology

SOP — Social Psychology

**Graduate Courses**

**General**

PSY 5605. History and Systems of Psychology (3). Covers the philosophical and scientific antecedents of modern psychology and the history of psychology as an independent scientific discipline.

PSY 6945. Teaching Psychology Practicum (3). Prerequisite: Permission of instructor. Substantive issues applicable to the teaching of psychology in the university setting.

**Applied Behavior Analysis**

EAB 5700. Basic Principles of Behavior (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or permission of instructor. Fundamentals of behavior analysis including selecting and defining target behaviors, determining measurement and recording methods, analyzing graphic displays of data, completing a functional analysis and the use of positive reinforcement methods of changing behavior.

EAB 5701. Basic Methods of Applied Behavioral Analysis (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or permission of instructor. Behavior analysis methods including stimulus control, shaping, chaining and imitation are covered along with extinction, differential reinforcement and punishment to decrease behavior. Time out and response are also discussed. Token economies, group contingencies and behavioral generalization are examined.

EAB 5710. Behavioral Analysis in Developmental Disabilities and Autism (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or permission of instructor. This course prepares students to work with developmentally disabled and autistic individuals. Topics include issues in assessment and intervention, improving language capability, preparation for community placement, and the treatment of severe behavior disorders.

EAB 5711. Behavioral Analysis in Mental Health and Aging (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or permission of instructor. This course covers two content areas: applications of behavior principles in mental health settings and applications with our aging population. Emphasis is placed on the use of behavioral techniques to teach new skills and maintain existing repertoires. Replacing existing aversive methods of control with positive reinforcement strategies is stressed.

EAB 5721. Behavioral Analysis in Education and Performance Management (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or permission of instructor. This course covers two content areas: applications of behavior principles in education and in business and organizational settings. Methods of improving performance using behavioral goals and objectives, performance feedback and reinforcing consequences are stressed.

EAB 5780. Ethical and Professional Issues in Applied Behavior Analysis (3). Prerequisites: EAB 3703 and EXP 3422 (or equivalents) or permission of instructor. This course prepares students for the professional practice of applied behavior analysis. Ethical guidelines are examined, professional issues in consulting with families are discussed, and the role of the behavior analyst as an ethical business and organizational consultant is covered.
Clinical-Personality

CLP 5195. Theories of Psychotherapy (3). Contemporary theories and systems, empirical support, practical issues, and ethical issues in the area of psychotherapy.

CLP 5196. Techniques of Behavioral Change (3). Prerequisites: CLP 5169 and permission of instructor. Therapeutic strategies and promising techniques for behavioral change of specific reference systems in clinical practice.

CLP 5375. Concepts and Methods of Clinical Psychology (3). Prerequisite: Permission of instructor. Methods, design, evaluation of treatment outcome and program, and research. Ethical and practical considerations of clinical research.

CLP 5475. Child Psychopathology and Intervention (3). Prerequisite: Permission of instructor. Focuses on the assessment and diagnosis, etiology, and treatment of a number of psychological disorders of childhood.

CLP 5624. Ethics and Standards of Professional Practice (3). (S/U grade only.) Prerequisites: CLP 5169; permission of instructor. The course is taught to all first-year clinical students during their first summer in residence. It focuses on instruction and practice in interviewing, report writing, and outcome evaluation as they apply to clinical work. Also, it serves as the introduction to training in ethical principles in the practice of psychology.

CLP 5932. Law and Ethics (3). Prerequisite: Permission of instructor. Ethical and legal issues of professional practice and research in psychology. Teaches the code of ethics governing psychologists and provisions of civil and criminal law as they affect psychologists, especially in the role of expert witness.

CLP 5941r 5942r. Clinical Practicum: Psychological Evaluation (one to three [1–3] hours each). (S/U grade only.) Prerequisites: PSY 5352, 5356; CLP 6169. A fifteen (15) hour per week practicum in intake, assessment, and therapy including direct client contact, supervision, and staffing. Each course may be repeated to a maximum of twenty-four (24) semester hours. A maximum of six (6) credits of CLP 5941r and CLP 5942r may be taken in any semester. CLP 6169. Abnormal Psychology for Graduate Students (3). (S/U grade only.) Prerequisite: Permission of instructor. Theoretical and empirical contributions to the study of abnormal psychology and human abnormality. Includes issues of definition, classification, diagnosis, etiology, and treatment planning.

CLP 6349r. Seminar in Clinical Theory (3). Prerequisite: Permission of instructor. Traditional and contemporary approaches. May be repeated to a maximum of nine (9) semester hours.

CLP 6920r. Current Issues in Clinical Psychology (1). (S/U grade only.) Prerequisite: Permission of instructor. Weekly lectures on research and professional topics in the field of clinical psychology. May be repeated to a maximum of six (6) semester hours.

PSY 6948r. Psychology Internship (1–6). (S/U grade only.) Prerequisite: Permission of instructor. Off-campus internship for a semester or year, two thousand hours. May be repeated to a maximum of six (6) semester hours.

Human Learning and Cognition


EXP 5642. Psychology of Language (3). Prerequisite: Permission of instructor. The study of the role that language plays in our conceptual framework. Includes written and oral language, language development, language and thought, and language acquisition.

EXP 6609r. Seminar in Higher Mental Processes (3). Current scientific research on intellectual functioning: perception, attention, memory, language, and reasoning. May be repeated to a maximum of six (6) semester hours.

EXP 6920r. Issues in Cognitive Science (1). (S/U grade only.) Prerequisite: Permission of instructor. Focuses on the assessment and diagnosis, etiology, and treatment of a number of psychological disorders of childhood.

Life-Span Development

DEP 5165. Developmental Psychology (3). Prerequisite: Permission of instructor. Covers the development of children’s cognitive and social behavior from infancy to the beginning of adolescence.

Psychobiology/Neuroscience


PCE 5845. Cell and Molecular Neuroscience (4). Student centered introduction to the molecular, cellular, and neurochemical basis of brain function, including the neuronal, synaptic, and psychological basis of cognition, memory, and emotion.

PCE 5956. Biological Psychology (3). Principles and methods of phylegetic, genetic, and neurophysiological approaches to behavior. A maximum of six (6) semester hours of credit is required for the master’s degree.

Multiple Area Courses

PSY 5908r. Directed Individual Study (1–3). (S/U grade only.) Supervised individual study project on selected topic. May be repeated to a maximum of sixteen (16) semester hours.

PSY 5916r. Selected Research Topics (3). A specialized research area presented by a faculty member in his/her major research area. Seminar style. May be repeated to a maximum of nine (9) semester hours.

PSY 5947r. Supervised Research (1–5). (S/U grade only.) A 10 hour per week research apprenticeship under the direction of a research professor. No more than three (3) semester hours may be counted toward the master’s degree and five (5) semester hours toward the doctoral degree.

PSY 5973r. Thesis (1–6). (S/U grade only.) Supervised research in an original research project submitted in partial fulfillment of master’s degree requirements. A minimum of six (6) semester hours of credit is required for the master’s degree.

PSY 6656r. Preliminary Examination Preparation (1–9). (S/U grade only.) This course serves as preparation for a written preliminary examination, including all substantive areas and methodological and theoretical issues. A minimum of three (3) semester hours is required. May be repeated to a maximum of twelve (12) semester hours.

PSY 6918r. Seminar in Current Research Topics (1–3). Students may register for a maximum of two (2) sections within the same semester. Course may be repeated to a total of twelve (12) semester hours.

PSY 6980r. Dissertation (1–12). (S/U grade only.) Supervised research on an original research project submitted in partial fulfillment of doctoral degree requirements. A maximum of twenty-four (24) semester hours of credit is required for the doctoral degree.

PSY 8906r. Preliminary Doctoral Examination (0). (P/F grade only.)

PSY 8908r. Master’s Comprehensive Examination (0). (P/F grade only.)

PSY 8976r. Master’s Thesis Defense (0). (P/F grade only.)

PSY 8985r. Dissertation Defense (0). (P/F grade only.)
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, Coursey, Assistant Professors: McCollum, Washington, Yang; Affiliate Faculty: Imerseim, Visiting Professors and Adjunct Faculty: Crisp, Long, Lynch, Parry Rosenzweig, Shane, Sheffield; Professors Emeriti: Chackerian, Grizzle, Hartsfield, Page, Sherwood, Waldby

Public administration, whether taken as a second degree or as an area of specialization within other degree programs, adds a new dimension to career competencies, enhancing the student’s career mobility, flexibility, and opportunities. Graduate study provides professional preparation for careers in government, higher education, private consulting, and in nonprofit organizations and can be pursued in several ways. The school offers two graduate degree programs: the master of public administration (MPA) and the doctor of philosophy in public administration (PhD). The master’s program prepares students for management roles in a variety of public sector and nonprofit environments. The doctorate is designed to prepare students for college and university teaching, advanced research, administrative practice, and policy analysis. The school also offers dual degrees with the College of Law (master of public administration/juris doctorate [MPA/JD]), the School of Social Work (master of public administration/master of social work [MPA/MSW]), the School of Criminology and Criminal Justice (master of public administration/master of science in criminology [MPA/MSC]), Department of Urban and Regional Planning (master of public administration/master of science in planning [MPA/MSP]) and with the Interdisciplinary Program in Health Policy Research (master of public administration/master of science in health care research [MPA/MS]). Certificates in financial management, general public administration, human resource management, emergency management, and health services administration are also available. Additional information (such as handbooks and syllabi) is available on the Askew School’s home page at http://askew.fsu.edu.

Master of Public Administration

The MPA is a professional degree designed to prepare students for professional and managerial positions as administrators and policy analysts in government, consulting, and nonprofit organizations. Equal emphasis is placed upon meeting the needs of in-service and preservice students, and classes for the degree are offered primarily during the evening and on weekends.

A candidate may be admitted to the program by meeting University requirements for graduate study and by submitting three letters of recommendation, a career goal statement, a resume, and, where relevant, evidence of prior professional work experience. A small number of exceptions to the University admission standards are possible for students possessing exceptional qualifications not reflected in criteria normally used for admission. For further information concerning admission exceptions, consult either the MPA Student Handbook (available on-line or from the school) or the MPA Director.

The MPA requires successful completion of forty-two (42) semester hours. Those students with less than one year of acceptable professional experience will be required to complete an additional three (3) semester hours of internship. Included in the requirements are four substantive core courses, two methods courses, an action report on a significant administrative problem, and elective course work arranged in consultation with a faculty adviser.

MPA Core Course Requirements

1. Substantive Core Courses (twelve [12] semester hours):
   PAD 5035 Policy Development and Administration (3)
   PAD 5050 The Profession of Public Administration (3)
   PAD 5106 Public Organizations (3)
   PAD 5227 Managing Public Financial Resources (3)

   PAD 5700 Research Design in Public Administration (3)
   PAD 5700L Research Design Laboratory (0)
   PAD 5701 Quantitative Analysis in Public Administration (3)
   PAD 5701L Quantitative Analysis in Public Administration Laboratory (0)

   PAD 5946 Public Service Internship (3)
   PAD 6908 Action Report (3)

Professional Option: Elective work in many areas is possible as long as it leads to a coherent program of study; however, inexperienced students are strongly encouraged to consider one of the following school-sponsored options.

a. Local government;
b. Leadership and strategic management;
c. Human resource management;
d. Public budgeting and financial management;
e. Public information management;
f. Policy analysis and evaluation management;
g. Health services administration and policy;
i. Emergency and environmental management; and
j. Not-for-profit management.

These programs are more fully described in the MPA Student Handbook.

Graduate Certificates

The certificate programs are designed to accommodate the special needs of practicing administrators and working students. There is no minimum number of courses to be taken in any term and no limit on the amount of time one takes to complete a certificate. Continuous registration is not required. All graduate certificates require a 3.0 grade point average.

The certificates are also available to MPA students who wish to pursue a specialization in financial management, human resource management, or health services administration as a part of their degree course work.

Certificate in Emergency Management

The graduate Certificate in Emergency Management includes a variety of skill and knowledge concentrations appropriate for practicing managers and others interested in the field. To earn the certificate, three required courses and two additional ones selected from those offered by the Askew School and the geography, urban and regional planning, and geology departments must be completed.

Required Courses

PAD 5335 Strategic Leadership for Communities (3)
PAD 5397 Foundations of Emergency Management (3)
PAD 5398 Emergency Management Programs, Planning and Policy (3)

Electives

GEO 5345 Disaster Preparedness and Hazards Mitigation (3)
GEO 5159 Geographic Information Processing and Systems (3)
GLY 5886 Geologic Hazards Assessment (3)
URP 5422 Coastal Planning (3)
PAD 5352 Environmental Policy and Management (3)
PAD 5935 Seminar in Public Administration: Selected Topics [Contingency Planning] (3)

Financial Management Certificate

Topics covered in this program conform to those recommended by the Association for Budgeting and Financial Management of the American Society for Public Administration. To obtain the certificate, students complete three required courses and three additional courses selected from a list of courses offered through the Reubin O’D. Askew School of Public Administration and Policy, the Department of Accounting, the Department of Economics, and the Department of Urban and Regional Planning.

Required Courses

PAD 5227 Managing Public Financial Resources (3)
PAD 6207 Financial Resources Administration (3)
PAD 6226 Public Budgeting Simulation and Issues (3)

Elective Courses

ACG 5505 Government and Not-for-Profit Accounting and Auditing (3)
ECO 5516 Public Finance (3)
PAD 5327 Public Program Evaluation (3)
PAD 6705 Analytic Techniques for Public Administrators (3)
PAD 6721 Policy Analysis Research Seminar (3)
URP 5257 Fiscal Impact Analysis (3)
URP 5731 Planning of Community Infrastructure (3)

Skills concentrations covered in this curriculum include accounting and auditing (government financial accounting and reporting), financial and performance auditing, budgeting (processes, preparation, approaches, analytic...
techniques, forecasting), financial management decision making (cost-benefit, cost-effectiveness, and cost-revenue analysis, fiscal impact analysis, financial condition evaluation), revenues (taxation from both administrative and public finance perspectives, intergovernmental finance, user charges), long-term financial decision making (capital planning process, capital investment analysis, alternative financing sources, debt management), and financial modeling.

**General Public Administration Certificate**

The school offers an executive development program which leads to a certificate in public administration. Typically, participants are public administrators who hold bachelor’s degrees but who have not yet entered a graduate degree program. Applicants register as special students in a simplified process which does not require formal admission to graduate studies. Up to twelve (12) hours of credit earned in this program may later be applied to the MPA upon admission to that program. The certificate requires eighteen (18) semester hours (six courses) of graduate course credit in public administration. Three courses must be from the MPA substantive core and the remainder from electives and other courses in public administration. One course from a related field outside the school may be applied to satisfy certificate requirements.

**Certificate in Health Services Administration**

A certificate program in the area of health policy and administration is available. Consisting of the three core courses identified below, plus two electives, this program is designed to provide knowledge and skills required for present and continuing work in health services administration.

**Required Courses for Certificate in Health Services Administration**

- PAD 5846r Health Policy and Public Administration (3)
- PAD 5935r Seminar in Public Administration: Selected Topics [Health Care Finance] (3)
- SYO 5405 Health Institutions and Social Policy (3)

**Elective Courses**

- HSC 5603 Models of Health Behavior (3)
- PAD 5935r Seminar in Public Administration: Selected Topics [Health Policy Research] (1–3)
- SOW 5603 Social Work in Health Settings (3)
- SYO 5545 Social Institutions and Complex Organizations (3)
- URP 5520 The U.S. Health Care System (3)
- URP 5521 Epidemiological Bases of Health Planning (3)
- URP 5522 Regulatory Aspects of Health Care (3)
- URP 5523 Resource Allocation in Health Policy and Programs (3)

**Certificate in Human Resource Management**

The Reubin O’D. Askew School of Public Administration and Policy graduate certificate in human resource management is for professionals and graduate students seeking to enhance their skills, knowledge, and ability in managing human resources. Eighteen (18) semester hours (six courses) are required to obtain the certificate. In order to obtain the certificate, three required and three elective courses drawn from the curriculum below must be completed.

**Required Courses**

- PAD 5106 Public Organizations (3)
- PAD 5419 Issues in Human Resource Management (3)
- PAD 5427 Public Labor Relations (3)

**Elective Courses**

- ADE 5083 Human Resource Development (3)
- ADE 5186 Program Development in Adult Education (3)
- ADE 5385 Adult Learning (3)
- LAW 7544 Labor Relations Law in the Public Sector (2)
- PAD 5041 Ethics and Public Administration (3)
- PAD 5327 Public Program Evaluation (3)
- PAD 5605 Administrative Law (3)
- PAD 5457 Quality Management Systems (3)
- PAD 6107 Seminar: Public Organizational Development (3)
- PAD 6115 The Executive (3)
- PAD 6418 Seminar: Human Resource Management (3)

**Doctor of Philosophy**

The PhD in public administration is designed to provide the highest level of professional education in public administration theory and methods. Its aim is to prepare persons for advanced research and administration. In their careers, graduates should be able to move freely through academic, governmental, consulting, and research organizations. PhD applicants must meet the following admission standards: 1) Graduate Record Examinations (GRE) score of 1100 or above (combined verbal and quantitative); 2) 3.0 or better overall undergraduate grade point average; and 3) 3.5 or better graduate grade point average.

Higher attainment on one measure may offset lower attainment on another. Professional experience will be considered, but academic performance will receive primary emphasis. Letters of recommendation are required. All applicants are required to take the GRE.

To be eligible to take the preliminary examination and be admitted to PhD candidacy, the student must complete forty-five to seventy-five (45–75) semester hours in the following areas:

**MPA Substantive Core, Methodological Core, and Administrative Law**

Twenty-four (24) semester hours. Administrative law may be satisfied by work at either the graduate or undergraduate level. Courses in the MPA core may be satisfied by graduate work at The Florida State University or at another recognized university.

**PhD Core**

Twenty-four (24) semester hours of the following:

**Substantive Courses**

- PAD 6025 Theoretical Perspectives in Public Policy (3)
- PAD 6050 Intellectual History and Future of Public Administration (3)
- PAD 6102 Administrative Behavior in Public Organizations (3)
- PAD 6109 Institutions and Society (3)

**Methodology Courses**

- Twelve (12) semester hours:
  - PAD 6705 Analytic Techniques for Public Administrators (3)
  - PAD 6707 Logics of Inquiry (3); and

**Specialization in Public Administration**

Fifteen (15) semester hours specializing in one of the following fields of public administration:
1. Human resources and training;
2. Financial resources administration;
3. Institutions and organizations;
4. Policy; or
5. Other as arranged.

**Political Processes**

Six (6) semester hours, subject to waiver by PhD director.

**Professional Topics**

Zero (0) semester hours, S/U grade only.

All courses in the PhD core requirements must be taken in the school except for comparative administration which may be taken elsewhere. Students may be required to pass a methods proficiency examination covering the material in the MPA methods core before they will be admitted to PAD 6705, Analytic Techniques for Public Administrators. Interdisciplinary specializations related to student career goals also are possible.

**Diagnostic Review**

The school’s PhD core field committee will examine the performance of each student after the completion of eighteen (18) semester hours of graduate work at The Florida State University but no later than the end of the second year. The examination shall include a review of grades, seminar papers and other evidence of potential to complete comprehensive examinations and dissertation.

**Preliminary Examination, Supervisory Committee and Program of Studies, Dissertation Prospectus and Defense**

All doctoral students must form a supervisory committee and file an approved program of studies at least six months before the preliminary examination, which is taken after all course work has been completed. After passing the preliminary examination, a candidate must submit a prospectus for the dissertation for approval by the supervisory committee. Following completion of the dissertation, the defense will be scheduled. More detailed information is contained in the PhD Student Handbook, which is available from the school.
Definition of Prefix
PAD = Public Administration

Graduate Courses
PAD 5035. Policy Development and Administration (3). Prerequisites: PAD 5700, and 5705, or equivalents. This course seeks to enhance the student’s ability to analyze, research, and develop public policies.

PAD 5041L. Quantitative Methods in Public Administration (3). Ethics (3). Ethics in government focuses on the quality of public service; as such, it is core to the field of public administration. A professional is a professional not only because of expertise, but also because of adherence to ethical standards. This course provides maps and tools to make moral experiences more explicit and consistent so students can chart their own way. Individual decision-making strategies and organizational programs to address challenges are explored. Case studies of managers who confront ethical dilemmas as well as management issues such as workforce diversity and quality improvement complement this material.

PAD 5050. The Profession of Public Administration (3). An overview of the intellectual heritage of public administration and its central issues. The student will learn key managerial skills and major sources of information for professional research.

PAD 5106. Public Organizations (3). Elements of micro and macro organizational analysis. Includes organization theory, structure and design, power and conflict, motivation, leadership, group behavior, organizational effectiveness, and development.

PAD 5227. Managing Public Financial Resources (3). Public budgeting and related financial management processes at the federal, state, and local levels with some emphasis upon those in Florida. The evolution of budgeting in the U.S. and major financial functions including an introduction to government accounting.

PAD 5275. Political Economy of Public Administration (3). Prerequisites: PAD 5700, 5701 or equivalents. Application of economic analysis to public bureaucracy and comparison of public and private management. Topics include public and private sector organizations, economic development, privatization, and public entrepreneurship.

PAD 5327. Public Program Evaluation (3). Prerequisites: PAD 5700 and 5701, or equivalents. Introduction to problems of public program evaluation methods and strategies for administrative implementation.

PAD 5335. Strategic Leadership for Communities (3). This course will teach the principles and skills of strategically managing agencies and communities. Strategic planning, community envisioning, and organizational assessments will be covered.

PAD 5352. Environmental Policy and Management (3). Survey of the political and administrative nature of environmental quality. Includes the historical and contemporary context of environmental decision-making and implementation training sizes actors in the decision-making process and institutions of government. Discusses contemporary problems and reform issues.

PAD 5397. Foundations of Emergency Management (3). This course is designed to introduce students to the fundamental theories, principles and practices of emergency management.

PAD 5398. Emergency Management Programs, Planning, and Policy (3). This course examines functional demands that emergency managers should be aware of in crafting emergency management policies and programs. Students explore how public policy choices impact emergency planning and the consequences of a disaster event.


PAD 5419. Issues in Human Resource Management (3). Prerequisite: PAD 5417 or equivalent. Contemporary and enduring issues in field, and techniques on how to deal with them, are analyzed. Introductory topics include AIDS, dissent, workforce quality, drug testing, child/elder care, video display terminals, smoking, self-managing teams, white collar crime, wellness programs, compensation, sexual harassment at the workplace.

PAD 5427. Public Labor Relations (3). Institutional theory and behavior in government labor relations. Public policy implications, differences from the private sector, evolution of public unions, scope and practices with emphasis upon Florida.

PAD 5457. Quality Management Systems (3). This course addresses the theory, design, and implementation of quality management systems comparing systems common to those in other sectors of the economy. It examines the need for, and origins of, quality management philosophies, techniques, transition strategies, case studies and additional scenarios.

PAD 5505. Administrative Law (3). Legal ideas and applications are addressed through the development, interpretation, and application of administrative law to public settings. Topics include information, rulemaking, policy change, discretion, investigation, and adjudication. Model State Administrative Procedure Act included.

PAD 5700. Research Design in Public Administration (3). Fundamental concepts and techniques in research design, problem formulation, execution, and analysis, stressing applications in public policy. Includes measurement, statistics.

PAD 5700L. Research Design Laboratory (0). (S/U grade only.) Laboratory linked to and required of all students in PAD 5700. Instruction in computer techniques, in-class statistics and methods exercises, supplementary lecture material.

PAD 5701. Quantitative Analysis in Public Administration (3). Prerequisite: PAD 5700 or equivalent. Application of quantitative analysis to problems of public policy and management. Quasi and experimental designs for evaluation of social programs, computer analysis of data sets.

PAD 5701L. Quantitative Analysis in Public Administration Laboratory (0). (S/U grade only.) Prerequisites: PAD 5700, 5701. Laboratory linked to and required of all students in PAD 5701. Instruction in computer techniques in-class exercises in statistical techniques and methods, supplementary lecture material.

PAD 5826. Intergovernmental Management and Relations (3). The role of the public administrator in developing and administering public policy within the system of federal, state, and local governments. Includes legal, financial, administrative issues as well as substantive areas such as social services, health, employment, education, and housing.

PAD 5846. Health Policy and Public Administration (3). Prerequisites: Graduate standing, PAD 5700, 5701, or equivalents. Addresses theory and critical issues in health policy, policy formation, implementation, and administration. Major topics include health politics, the economics of health care, regulatory issues, access, and payment issues.

PAD 5907c. Directed Individual Study (1–3). (S/U grade only.) Supervised readings and research. Student must submit formal written proposal to interested faculty member prior to registration. MPA may repeat to a maximum of nine (9) semester hours. PhD students may exceed the nine (9) hour maximum with approval of major professor.

PAD 5952c. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours, but no more than three (3) hours may be applied to the student’s degree.

PAD 5953c. Seminar in Public Administration: Selected Topics (1–3). (S/U grade only.) May be repeated to a maximum of five (5) semester hours.

PAD 6025. Theoretical Perspectives in Public Policy (3). Prerequisite: PAD 5700 or equivalent. Seminar on theory and practice.

PAD 6054. Intellectual History and Future of Public Administration (3). Prerequisite: PhD student or permission. Course addresses topics related to substance and methods of public policy. Theoretical frameworks include: welfare/economics/political science and organization theory.

PAD 6095. Professional Development (3). Prerequisite: PhD student or permission. Discusses the history of the underlying theoretical perspectives of public administration as well as relevant to the future development of public administration.

PAD 6102c. Administrative Behavior in Public Organizations (3). Prerequisite: PhD student or permission of instructor. Dynamics of cooperative effort in the managing of organizations (3).

PAD 6103. Cultural Analysis and Organizations (3). Prerequisite: PAD 5306. Both theoretical and methodological purpose, the course explores the cultural approach to analyzing organizational situations in which they are embedded. Introductory skills in ethnographic research will be acquired by those students who successfully complete the course.

PAD 6107. Seminar: Public Organizational Development (3). Prerequisite: PAD 5100 or equivalent. Paradigms of change and their impact on public organizations.

PAD 6108. Institutions, Policy & Management (3). Prerequisite: PAD 5305. Course covers how formal institutional arrangements and constraints influence policy choices and administrative decisions. Examines the consequences of organizational arrangements and policy choices for policy implications.

PAD 6109. Institutions and Society (3). Prerequisite: Doctoral student or permission of instructor. Government bureaucracies as key elements in modern social systems and the role of society in shaping government bureaucracies.

PAD 6115. The Executive (3). The contemporary political executive, especially the American Presidency, Organization, leadership, personality, power, ideology, relationships, decision, policy. (Also offered by the Department of Political Science.)

PAD 6136. Seminar: Management Studies in Government (3). Prerequisite: PAD 5700 or equivalent. Seminar on management studies in state or local governments; development of detailed plans for management study, methods, source materials.

PAD 6297. Financial Resources Administration (3). Prerequisite: PAD 5227 or equivalent. Seminar in public financial administration with emphasis on current issues in theory and practice.

PAD 6226. Public Budgeting Simulation and Issues (3). Prerequisite: PAD 5227 and 5701, or equivalents. Emphasis on budgetary decisions in budgeting, preparation of reports, and inquiry into selected issues.

PAD 6300. Governmental Administration in Florida (3). Studies and analysis of management systems, institutions, and dynamics in Florida agencies, with emphasis on legislative-relations policies.


PAD 6705. Analytic Techniques for Public Administrators (3). Prerequisites: PAD 5700 and 5701, or equivalents; doctoral students or permission of instructor. Public sector applications of quantitative methods, including decision analysis, queue theory, mathematical programming, and simulation.

PAD 6707. Logics of Inquiry (3). Prerequisites: PAD 5700. This course introduces students both to the philosophy of science and to exemplary research conducted in public administration. Students will learn to target research both theoretically and politically.


PAD 6785. Administrative Behavior in Public Organizations (3). Prerequisite: PAD 5700 or equivalent. Seminar on contemporary and enduring issues in field, and techniques on how to deal with them, are analyzed. Introductory topics include AIDS, dissent, workforce quality, drug testing, child/elder care, video display terminals, smoking, self-managing teams, white collar crime, wellness programs, compensation, sexual harassment at the workplace.

PAD 6895. Dissertation Defense (0). (P/F grade only.) For students registering to take their doctoral examination.
Department of Religion

College of Arts and Sciences

Chair: John E. Kelsay; Professors: Corrigan, Kelsay, Twiss; Associate Professors: Ernll, Levenson, Assistant Professors: Cuevas, Day, Kalbain, Kangas, Kavka, Kelley, Koehlinger; Visiting Professor: Porterfield; Professors Emeriti: Carey, Jones, Moore, Rubinstein, Sandon, Wellborn

The Department of Religion at The Florida State University offers the MA and PhD in the study of religion. In addition, department faculty participate in the doctoral program in humanities.

The MA and PhD in the study of religion combine broad exposure to the field with the development of a particular area of expertise. The doctoral program in humanities (with a religion concentration) is intended for students wishing to combine the study of religion with an interdisciplinary approach to the humanities. Those wishing to obtain information about the MA and PhD in the study of religion should contact the Department of Religion. Those interested in the PhD in humanities should refer to the “Program in Humanities” entry of this Graduate Bulletin.

Requirements

The minimum criterion for admission to the MA program is a “B” average on all undergraduate work or a combined score of 1000 on the quantitative and verbal sections of the Graduate Record Examinations (GRE). Students entering the program are normally expected to have as background the equivalent of at least an undergraduate minor in the study of religion.

For the PhD, applicants should have an MA in religion or its equivalent and outstanding GPA and GRE scores.

For both degree programs, the department receives applications from more qualified students than can be admitted. Students are advised that acceptance to Department of Religion graduate programs is the result of a competitive process, and that the meeting of minimum requirements does not guarantee admission.

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Master of Arts in Religion

MA students concentrate in one of four areas: religions of western antiquity; religions of Asia; American religious history; or religion, ethics, and philosophy. Students indicate their intention to work in a particular area at the outset of their first semester; they may change concentrations prior to the third semester of coursework.

During their course of study, students will meet several general requirements. These include: thirty-three (33) semester hours of coursework in religion or other approved courses; successful completion of REL 5035, Graduate Introduction to the Study of Religion; and competence in one foreign language approved by department faculty.

Students will also meet the requirements of their area of concentration. For each of the four concentrations, a “concentration committee” made up of religion faculty exercises oversight. The committee for a particular concentration will advise students concerning requirements for their area, including (for example) specified coursework, a thesis or comprehensive examinations, and additional work in foreign languages. Students should contact the department office to obtain more detailed information about faculty associated with and requirements for particular areas of concentration.

Completion of the MA usually requires four semesters; in some cases, requirements may be met in three semesters.

Doctorate in Religion

Requirements for the PhD program include twenty-four (24) semester hours of approved coursework beyond the MA. Upon departmental approval, students then take comprehensive exams. Upon successful completion of the exams, students write and defend a dissertation on an approved topic. Areas of specialization include: Judaism, Christianity, Islam, Jewish studies, religions of the Graeco-Roman world, religions of Western antiquity; religions of Asia; American religious history. Students should contact the department office to obtain information about these matters.

Definition of Prefixes
REL Religion
SAL South Asian Languages

Graduate Courses

Note: students should contact the Department of Religion office for the most up-to-date information concerning course offerings.

REL 5035. Seminar: Introduction to the Study of Religion (3). Graduate introduction to the history, present status, principal issues, and methodologies in the academic study of religion.

REL 5195c. Seminar: Religion and Culture (3). May be repeated to a maximum of nine (9) semester hours.

REL 5292r. Tutorial in Near Eastern Languages and Literature (1–3). Readings of selected religious texts in Semitic languages such as Akkadian, Ugaritic, and Aramaic. The languages studied and course content will vary by semester. Previous work in a Semitic language is presumed. May be repeated to a maximum of twelve (12) semester hours.

REL 5297r. Seminar: Biblical Studies (3). May be repeated to a maximum of nine (9) semester hours.

REL 5305r. Seminar: History of Religions (3). May be repeated to a maximum of nine (9) semester hours.

REL 5326. Religion of the Ancient Near East (3). The religions of the ancient Near East, including Egypt, Mesopotamia, and Syria/Palestine, from earliest historical times to the onset of the Hellenistic Age.

REL 5328r. Tutorial in Greek Religious Texts (1–3). Selected readings in Greek of Jewish, Christian and other authoritative texts from the ancient world. May be repeated to a maximum of twelve (12) semester hours.

REL 5329. Religions of the Graeco-Roman World (3). The religions of 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 5332. 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 5354r. 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 5486. Religious Thought in America (3). The classic theological traditions in American religion from Puritanism to contemporary theology. Emphasis will be on Protestant thought, but attention will be given to representative Roman Catholic and Jewish thinkers.

REL 5497r. Seminar: Religious Thought (3). May be repeated to a maximum of nine (9) semester hours.

REL 5515. 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 5535. Christianity in Early Modern Europe (3). This course examines the thought, movements, lifestyles, and literature of European Christians from the 14th century to the 17th.

REL 5545. Modern Protestantism (3). The development of the Protestant traditions in the modern era. Emphasis will be on the innovative responses made in Protestant thought and practice to the key developments in culture and society.

REL 5565. 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 5612. Judaism in the Graeco-Roman World (3). A history of the Jews and the development of Jewish religious, cultural, and political influences on early Christianity. Includes a consideration of the Maccabean Revolt to the redaction of the Babylonian Talmud.

REL 5616. 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 5639. 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 other critiques.

REL 5906r. Directed Individual Study (1–3). May be repeated to a maximum of twelve (12) semester hours.

ancient Buddhist India. May be repeated to a maximum of twelve (12) semester hours.

REL 5911r. Advanced Research (1–3). (S/U grade only.) A maximum of three (3) hours may apply to the master’s degree. May be repeated to a maximum of five (5) semester hours.

REL 5915r. Tutorial in Sanskrit Texts (1–3). Prerequisite: SAI 4101, or its equivalent. Readings in Sanskrit of selected religious texts. Topics will vary by semester. May be repeated to a maximum of twelve (12) semester hours.

REL 5916r. Tutorial in Latin Religious Texts (1–3). Readings in selected religious texts. Topics will vary by semester. A basic knowledge of Latin grammar is presumed. May be repeated to a maximum of twelve (12) semester hours.

REL 5940r. Supervised Teaching (3). (S/U grade only.) A maximum of three (3) hours may apply to the master’s degree.

REL 5971r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours is required.

REL 6174r. Risk Management and Politics (3). Seminars in ethics and politics encourage research into the relationships between religion, morality, and the social-political life of persons and groups. May be repeated to a maximum of twelve (12) semester hours.

REL 6298r. Seminar: Scriptures and Interpretation (3). Seminars in scriptures and interpretation encourage research in selected topics of the interpretation of sacred texts in a particular tradition or traditions. May be repeated to a maximum of twelve (12) semester hours.

REL 6408r. Seminar: Religious Thought (3). Seminars in religious thought are designed to encourage research in the area of religious thought through inquiry into specific themes, persons, or movements. May be repeated to a maximum of twelve (12) semester hours.

REL 6598r. Seminar: Religious Movements and Institutions (3). Seminars in religious movements and institutions encourage research in selected religious movements and institutions in a religious tradition. May be repeated to a maximum of twelve (12) semester hours.

REL 6609r. Readings for Examination (1–12). (S/U grade only.) This course is designed for graduate students who have completed all of their required coursework and are preparing for their examinations. May be repeated to a maximum of twenty-four (24) semester hours.

REL 6609c. Dissertation (1–12). (S/U grade only.) May be repeated to a maximum of twenty-four (24) semester hours.

REL 8964c. Preliminary Doctoral Examination (0). (P/F grade only.) May be repeated in the same semester.

REL 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

REL 8976c. Master’s Thesis Defense (0). (P/F grade only.)

REL 8985s. Dissertation Defense (0). (P/F grade only.)

Seminars in religious thought are offered in the same semester.

SAI 5230, 5231. Intermediate Readings in Sanskrit I, II (3, 3). Introduction to Sanskrit reading through a study of grammar, syntax, and vocabulary.

RELIGION see also Asian Studies

RESEARCH AND EVALUATION METHODS see Educational Psychology and Learning Systems

Department of
RISK MANAGEMENT/ INSURANCE AND REAL ESTATE AND PROGRAM IN BUSINESS LAW

COLLEGE OF BUSINESS
Chair: Dean H. Gatzlafl; Professors: Boggs, Carson, Corbett, Diskin, Eastman, Maroney, Marshall, Sirmans, Stauber, Associate Professors: Dunn, Gatzlafl, Assistant Professors: Cole, Hanch, Associate in Business Law and Real Estate: Woodyard, Payne H. and Charlotte Hodges Midyette Eminent Scholar in Risk Management and Insurance: Carson; Robert L. Atkins Memorial Professor in Risk Management and Insurance: Eastman; Kenneth G. Bacheller Professor of Real Estate: Sirmans; Mark C. Bane Professor in Business Administration: Gatzlafl; Kathryn Magee Kip Professor: Maroney; Independent Life & Accident Insurance Company Professor: Corbett; State Farm Insurance Professor: Marshall

Doctoral Program
The College of Business offers a doctoral program in business administration and a master’s program in management with a major in insurance. The doctoral concentration in the Department of Risk Management/Insurance is designed to give students broad preparation in the theory and practice of modern risk management and employee benefits administration, based on foundation knowledge of the insurance contract and institution. The faculty is committed to working closely with a few students and seeing those students to a timely completion of their programs. The areas of expertise represented by the faculty allow students to pursue various research and teaching interests as they prepare for careers in academic institutions.

On-Line Master’s Program
The insurance major for the master’s program is designed for insurance professionals. The convergence in the financial services marketplace requires insurance, brokerage, and banking managers to have a much broader base of knowledge in order to effectively compete. The insurance major in the master’s program addresses this need. It is offered on a distance-learning basis to allow the working professional to obtain a degree.

Requirements
The master’s degree with a major in insurance requires completion of an any-three (33) semester hours of graduate level coursework. The doctoral program primary area coursework consists of six (6) required courses, as well as support area work and the analytical and research tools courses. Typical support areas for risk management and insurance majors include finance and real estate, but there is flexibility to match the interests of the particular student.

Definition of Prefixes
BUL — Business Law
REE — Real Estate
RMI — Risk Management/Insurance

Graduate Courses
Master’s
Note: the 5000 level courses are reserved exclusively for graduate students. No courses carrying both undergraduate and graduate credit are offered. Courses which may be repeated for credit are designated by “r” immediately following the course number.

BU 5810. The Legal Environment of Business (3). will create an awareness of the laws and of the legal, political, and social institutions which impact upon business activity. [Judicialized business regulations, Landmark legislation and judicial decisions will be examined.

RE 5455. The Real Estate Process (3). Introduction to general principles of real estate as both a product and a process; relationship of real estate system to basic functional areas of business.

RE 5455. Topics in Real Estate Finance and Appraisal (3). This course is designed to provide advanced treatment of topics fundamental to real estate finance and appraisal. This course includes a discussion of primary and secondary mortgage markets; capital market operations; mortgage instruments; and mortgage-related securities. In addition, the course provides an advanced treatment of the valuation of real estate, including presentation and a critical review of existing appraisal history.

RE 5808. Advanced Real Estate Finance and Investment (3). This course provides advanced treatment of the commercial mortgage and real estate equity markets. Topics include: financial management of income-producing properties; commercial mortgage underwriting; real estate investment trusts; and the decisions faced by institutions regarding their property and mortgage portfolios. Emerging topics of special interest also are discussed.

RMI 5305. Real Estate Investment (3). This course introduces students to the procedures and analytical methods used to evaluate real estate markets and project-specific investments. The course focuses on topics in the development and investment analysis primarily from the private (equity) investor’s perspective.

RMI 5315. Real Estate Project Feasibility Analysis (3). Introduction to real estate decision-making process for determination of real estate site use or investment being used, dealt with, or purchased.

RMI 5335. Real Estate and Its Legal Environment (3). This course presents an overview of the real estate markets and the laws affecting land use. This course provides an advanced treatment of the legal environment of real estate, including those issues related to property ownership and its transfer, the contracts applied in the acquisition, operation, and disposition of property.

RMI 5355. Special Topics in Real Estate (1–3). In-depth study of current topics in real estate. May be repeated to a maximum of nine (9) semester hours when topics change.

RMI 5011C. Fundamentals of Risk and Insurance (3). This course will develop concepts such as time value of money, statistical analysis, information technology, and management of risk exposure.

RMI 5136. Employee Benefit Plans (3). Managerial approach to employee benefit plans such as group insurance and pensions with in-depth consideration given to funding arrangements and variety aspects.

RMI 5225C. Property/Liability Insurance Contract Analysis (3). Prerequisite: RMI 5011C. This course will analyze basic commercial and liability insurance contracts, including commercial property, commercial general liability, crime, inland marine, boiler and machinery, commercial auto and farm policies.

RMI 5345. Risk Management in the Business Enterprise (3). Application of the risk management process, including risk control and risk financing techniques, to business risk management problems.

RMI 5710C. Insurance Company Operations (3). Prerequisite: RMI 5011C. This course will cover the fundamentals of risk, the management of pure risk, insurance mechanisms, insurer operations and the evolution of risk management.

RMI 5720C. Insurance Accounting and Finance (3). Prerequisite: RMI 5011C. This course is a survey of accounting and financial statement analysis, and statutory financial statements for insurance companies.

RMI 5810C. Personal Financial Planning (3). Prerequisite: RMI 5011C. This course will analyze loss exposures facing individuals and families, basic personal-lines property-liability insurance (auto and homeowners), individual life, health and disability insurance, and individual/family financial planning.

RMI 5906c. Directed Individual Study (1–3). (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of three times.

RMI 5907c. Special Studies in Management (1–3). Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of three times.

RMI 5917. Supervised Research (1–3), (S/U grade only.) Prerequisite: Consent of associate dean for academic programs. May be repeated to a maximum of three times. A maximum of three (3) hours may apply towards the master’s degree. May be repeated to a maximum of five (5) semester hours.

RMI 5935c. Special Topics in Risk Management and Insurance (1–3). In-depth study of current topics in risk management and insurance. May be repeated to a maximum of three (3) times as topics change.
**Interdisciplinary Program in Russian and East European Studies**

**College of Social Sciences**

**Director:** Lubisba S. Adamovich (Economics); **Professors:** Adamovich (Economics), Launer (Modern Languages and Linguistics), Macesch (Economics), Oldson (History), O’Sullivan (Geography), Wynt (History); **Associate Professor:** Efimov (Modern Languages and Linguistics); **Assistant Professor:** Grant (History)

**Requirements**

A candidate is admitted to the program by meeting the general requirements for graduate study. All applicants must take both the verbal and quantitative portions of the Graduate Record Examination (GRE) prior to admission to the program. With the advice and consent of the director and the participating faculty, the student selects a three-person committee from among the above listed Russian and East European Studies faculty to supervise the student’s degree program. The committee members must be drawn from at least two different disciplines.

The student may choose either a thirty-three (33) semester hour course work program or a thirty (30) semester hour course work program. Students selecting the first option will undergo comprehensive examinations on the course work taken for the degree during their last semester in the program. The student’s supervisory committee will administer the exam. Students selecting the thesis option will designate one of their committee members to serve as their major professor at least two semesters prior to completing their degree program. Students will then work closely with this major professor throughout the stages of outlining, researching and writing their theses, and six (6) of their required thirty (30) semester hours are to be taken as thesis hours. In lieu of a comprehensive written examination, students selecting this option will be examined by an oral defense of their thesis before their supervising committee.

Students may select courses broadly from the listing of course work below, so long as they take a minimum of eight (8) semester hours in history and six (6) semester hours each from the social science and arts and humanities tracks. However, students are encouraged to concentrate their course work as much as possible to develop a particular country and language competence. Moreover, while it is required to take course work from both the social science and the arts and humanities tracks, students should select one of these two broad areas for greater concentration, generally around one or several related disciplines. Up to eight (8) semester hours in the thirty-three (33) semester hour program or six (6) in the thirty (30) semester hour program may be 4000 level courses, if no 5000 level equivalent is offered by that department or school.

**Language**

All students must satisfy the foreign language requirement for the master of arts degree by demonstrating a reading proficiency in Russian, Serbo-Croatian, or some other east European language by either: 1) the completion of twelve (12) semester hours of college level course work in the chosen language with an average grade of at least 3.0 (`B'); 2) satisfactory performance on the Graduate School Foreign Language Tests of the Educational Testing Service; or 3) passage of a reading comprehension test administered by the Department of Modern Languages and Linguistics at The Florida State University as a capstone for their degree program. These summer programs allow students to immerse themselves in the cultures they are studying. The St. Petersburg, Russia summer program administered through the Department of Modern Languages and Linguistics emphasizes language and cultural studies. A second option, the summer program in Eastern Europe, is centered around a series of policy studies seminars. The seminars emphasize comparative policy analysis, that is the study of the creation and development of public policies in Eastern European countries studied.

**Study Abroad Opportunities**

Master’s candidates are encouraged to participate in the summer programs in Russia or Eastern Europe offered through The Florida State University as a capstone for their degree program. These summer programs allow students to immerse themselves in the cultures they are studying. The St. Petersburg, Russia summer program administered through the Department of Modern Languages and Linguistics emphasizes language and cultural studies. A second option, the summer program in Eastern Europe, is centered around a series of policy studies seminars. The seminars emphasize comparative policy analysis, that is the study of the creation and development of public policies in Eastern European countries studied.

**Note:** descriptions of individual courses can be found under the departmental listings.

### Russian and East European History

**Minimum of eight (8) semester hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>EUH 5238</td>
<td>Rise of Nationalism (4)</td>
</tr>
<tr>
<td>EUH 5246</td>
<td>World War I: Europe, 1900–1918 (4)</td>
</tr>
<tr>
<td>EUH 5285</td>
<td>Europe in the Cold War and Detente (4)</td>
</tr>
<tr>
<td>EUH 5338</td>
<td>History of East Central Europe, 1815 to the Present (4)</td>
</tr>
<tr>
<td>EUH 5365</td>
<td>The Balkans Since 1700 (4)</td>
</tr>
<tr>
<td>EUH 5578</td>
<td>19th-Century Russia (4)</td>
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<tr>
<td>EUH 5579</td>
<td>20th-Century Russia (4)</td>
</tr>
<tr>
<td>EUH 5609</td>
<td>European Intellectual History (4)</td>
</tr>
<tr>
<td>EUH 1800</td>
<td>1800 to Present (4)</td>
</tr>
<tr>
<td>WOH 5246</td>
<td>World War II (4)</td>
</tr>
</tbody>
</table>

### Social Science Track

**Minimum of six (6) semester hours**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>CPO 5036</td>
<td>Politics of Developing Areas (3)</td>
</tr>
<tr>
<td>CPO 5091</td>
<td>Core Seminar in Comparative Government and Politics (3)</td>
</tr>
<tr>
<td>CPO 5644</td>
<td>Russian Politics (3)</td>
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<tr>
<td>CPO 5740</td>
<td>Comparative Political Economy (3)</td>
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<tr>
<td>CPO 5934r</td>
<td>Selected Topics (3)</td>
</tr>
<tr>
<td>CPS 4321</td>
<td>Comparative Policy Studies: Contemporary Southeast Asia (3)</td>
</tr>
<tr>
<td>CPS 5325</td>
<td>Joint Seminar in Comparative Resource Development I (3)</td>
</tr>
</tbody>
</table>
### Graduate Courses

**SANSKRIT**  
see Religion  

**SCHOOL PSYCHOLOGY**  
see Educational Psychology and Learning Systems  

**SCIENCE EDUCATION**  
see Middle and Secondary Education  

**SERBO-CROATIAN**  
see Modern Languages and Linguistics  

**SLAVIC LANGUAGE AND LITERATURE**  
see Modern Languages and Linguistics  

**SOCIAL ORGANIZATION, PROCESSES**  
see Sociology  

**SOCIAL PSYCHOLOGY**  
see Psychology; Sociology  

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**Arts and Humanities Track**  
**Minimum of six (6) semester hours**  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ARH 5220</td>
<td>Early Christian and Byzantine Art (3)</td>
</tr>
<tr>
<td>ARH 5648</td>
<td>Art After 1940 (3)</td>
</tr>
<tr>
<td>MMC 5305</td>
<td>Comparative Systems of Mass Communication (3)</td>
</tr>
<tr>
<td>MUL 5854</td>
<td>Music of Igor Stravinsky (3)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MUT 5587</td>
<td>Classic, Romantic and 20th Century Styles (3)</td>
</tr>
<tr>
<td>PHH 5505</td>
<td>19th-Century Philosophy (3)</td>
</tr>
<tr>
<td>REL 5035</td>
<td>Seminar: Introduction to the Study of Religion (3)</td>
</tr>
<tr>
<td>REL 5195</td>
<td>Seminar: Religion and Culture (3)</td>
</tr>
<tr>
<td>REL 5305</td>
<td>Seminar: History of Religions (3)</td>
</tr>
<tr>
<td>RUS 4410</td>
<td>Advanced Russian Conversation (3)</td>
</tr>
<tr>
<td>RUS 4421</td>
<td>Advanced Russian Grammar and Composition (3)</td>
</tr>
<tr>
<td>RUS 5415</td>
<td>Graduate Russian Conversation and Comprehension (3) (S/U grade only.)</td>
</tr>
<tr>
<td>RUS 5845</td>
<td>History of the Russian Language and Reading of Old Russian Texts (3)</td>
</tr>
<tr>
<td>RUT 5115</td>
<td>Seminar: Russian Literature in English Translation (3)</td>
</tr>
<tr>
<td>RUW 5335</td>
<td>Russian Poetry (3)</td>
</tr>
<tr>
<td>RUW 5375</td>
<td>Russian Short Story (3)</td>
</tr>
<tr>
<td>RUW 5405</td>
<td>Old Russian Literature (3)</td>
</tr>
<tr>
<td>RUW 5445</td>
<td>Russian 18th-Century Literature (3)</td>
</tr>
<tr>
<td>RUW 5595</td>
<td>Seminar in 19th-Century Russian Literature (3)</td>
</tr>
<tr>
<td>RUW 5579</td>
<td>Modern Russian Literature (3)</td>
</tr>
<tr>
<td>RUW 5930</td>
<td>Special Topics</td>
</tr>
<tr>
<td>SEC 5900</td>
<td>Studies in Serbo-Croatian Language and Literature (3)</td>
</tr>
<tr>
<td>THE 4111</td>
<td>European Theatre History II (3)</td>
</tr>
</tbody>
</table>

**Note:** each of the participating departments periodically offer courses in selected or special topics, or as directed individual studies, which allows a student the opportunity for greater concentration in selected areas of specialization relevant to his or her country focus.

### Definition of Prefix

**EUS** — European Studies

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**EUS 5906r**  
**Directed Individual Study (1–3). (S/U grade only.)** Subject varies with each student. May be repeated to a maximum of twelve (12) hours.

**EUS 5971r**  
**Thesis (1–6). (S/U grade only.)** Topic varies with student. A minimum of six (6) semester hours credit is required.

**EUS 8966r**  
**Master's Comprehensive Examination (0).** (P/F grade only.)

**EUS 8976r**  
**Master's Thesis Defense (0).** (P/F grade only.)
Interdisciplinary Program in
SCIENCE TEACHING

This interdisciplinary major is designed to combine the undergraduate- and graduate-level experiences of the Colleges of Arts and Sciences and Education to produce exceptionally well-prepared science teachers. The program allows students to take graduate-level courses in their senior year that count toward both the bachelor’s and master’s degrees. Students completing this “3 + 2” program will receive a bachelor of science (BS) degree at the end of the fourth year, and a master of science teaching (MST) degree at the end of the fifth year. They will be qualified for certification to teach in middle and high schools in Florida, and prepared for national certification.

As of the publication of this document, additional requirements for the degree were still being finalized. For more information, contact Dr. Ellen Granger at (850) 644–6747, or Robin Smith at (850) 644–1142.

Definition of Prefix
ISC — Interdisciplinary Sciences

Graduate Courses

ISC 5098. Reflective Science Teaching (2). Prerequisite: ISC 5535. Corequisite: ISC 5946. This course provides a forum for discussion of contemporary science teaching issues and concerns associated with the corequisite half-term internship.

ISC 5525. Advanced Portfolio Design (1). Prerequisite: ISC 5535. This course teaches students how to design and construct teaching portfolios in the online format of a weblog.

ISC 5535. Research in the Content Area for Teach- ers: Core research courses prepare teachers in their area of research and reflection on the pedagogy of inquiry-based teaching. Students also develop a template for designing inquiry-based teaching in the classroom.

ICS 5944. School Law, and Management of Science Classrooms (3). Prerequisites: ISCS 5098, 5535, 5946. Corequisite: ISCS 5945. This course provides support and guidance to Master’s in Science Teaching students engaged in student teaching. The focus is on classroom management and planning, professional ethics, and state and federal school laws.

ISC 5945. Full-Time Teaching Internship (9). Prerequisites: ISCS 5098, 5535, 5946. Corequisites: ISCS 5944, 5945. Students in the Master’s in Science Teaching program complete at least thirteen (13) weeks of student teaching in the classroom.

ISC 5946. Half-Time Teaching Internship (6). Prerequisite: ISCS 5535. Corequisite: ISCS 5908. Students concentrate on observing the management, teaching, and assessment strategies of a supervising teacher, and complete tasks in work sample teachings units, each at a week long in the classroom.

ISC 8938. Portfolio Review (0). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

For those pursuing the first alternative, twelve (12) to eighteen (18) hours must be taken in one field of social science (the major field) and not less than six (6) hours must be taken in each of two additional social science fields (the minor fields). For those seeking one of the concentrations identified above, a specific combination of courses must be taken. These courses must be identified in consultation with the student’s major professor and spelled out in a degree plan agreed to by that person, the program director, and the student’s committee.

Each student in the master’s program will have a supervisory committee consisting of three faculty members. For those students pursuing the most general course of study, the chair of the committee, or major professor, comes from the department of the major field; the other two members come from the two minor department. For those students pursuing a concentration, the chair may be selected for knowledge of the particular field and may come from any department. The two remaining members, also selected for knowledge of the particular field of concentration, must come from two other departments. The committee is responsible for setting and administering the student’s comprehensive examination, and, with the advice of the relevant department, may specify courses in each social science field for students selecting that field as an area of major or minor concentration.

The comprehensive examination consists of a written test of three to six hours duration which may involve questions broader than the content of particular courses. The committee at its discretion may also require an oral examination.

Definition of Prefix
CPS — Comparative Policy Studies
ISS — Interdisciplinary Social Sciences

Graduate Courses

CPS 5525. Joint Seminar in Comparative Resource Development (3). Compares, researches, evaluates, and discusses major concepts and issues pertaining to the development of human and nonhuman resources.

CPS 5424. Research Seminar in Comparative Managerial and Organizational Policies (3). Comparative analysis of the political and administrative organization and their implications.

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) offers a course of study that leads to the master of arts (MA) or master of science (MS) and provides a broad background in the social sciences for students who find the curriculum of a single discipline too confining for their individual interests. In addition, the program may be used to develop specific preparation in a number of interdisciplines, including: 1) teaching of social science in the junior college and in the public schools; 2) organization of community and urban change; and 3) budget/policy analysis. Courses are selected from those offered by the participating departments of Anthropology, Economics, Geography, History, Political Science, Sociology, and Urban and Regional Planning, and the Reubin O’D. Askew School of Public Administration and Policy.

Requirements

Admission to the program is limited to students who have a score of 1000 on the aptitude test of the Graduate Record Examinations (GRE) or a 3.0 undergraduate grade point average (GPA). Students admitted to the program must also have a minimum of thirty-six (36) semester hours of undergraduate course work in the social sciences. Candidates for the MA must meet the University’s requirements of foreign language proficiency and must have six (6) hours of graduate study in an arts field (history courses fulfill this requirement).

Candidates for the master’s degree in the ISS program must complete thirty-two (32) semester hours of course work. This course work may be distributed so as to receive a broad exposure to the perspectives of the social sciences or so as to receive interdisciplinary instruction in one of several fields of concentration, as identified above.

For those pursuing the first alternative, twelve (12) to eighteen (18) hours must be taken in one field of social science (the major field) and not less than six (6) hours must be taken in each of two additional social science fields (the minor fields). For those seeking one of the concentrations identified above, a specific combination of courses must be taken. These courses must be identified in consultation with the student’s major professor and spelled out in a degree plan agreed to by that person, the program director, and the student’s committee.

Each student in the master’s program will have a supervisory committee consisting of three faculty members. For those students pursuing the most general course of study, the chair of the committee, or major professor, comes from the department of the major field; the other two members come from the two minor department. For those students pursuing a concentration, the chair may be selected for knowledge of the particular field and may come from any department. The two remaining members, also selected for knowledge of the particular field of concentration, must come from two other departments. The committee is responsible for setting and administering the student’s comprehensive examination, and, with the advice of the relevant department, may specify courses in each social science field for students selecting that field as an area of major or minor concentration.

The comprehensive examination consists of a written test of three to six hours duration which may involve questions broader than the content of particular courses. The committee at its discretion may also require an oral examination.

Definition of Prefix
CPS — Comparative Policy Studies
ISS — Interdisciplinary Social Sciences

Graduate Courses

CPS 5454. Research Seminar in Science, Technology, Environmental Policy (3). Comparative analysis of the roles of science, technology, and environmental policy.

CPS 5474. Research Seminar in International and Comparative Law (3). Comparative analysis of the role of law.

CPS 5906r. Directed Individual Study (3). (S/U grade only.) May be repeated to a maximum of nine (9) semester hours.

CPS 5911r. Supervised Research (1–5). (S/U grade only.) A maximum of three (3) hours may apply to the master’s degree. May be repeated for a maximum of five (5) semester hours.

CPS 5925. Introduction to Economics for Executives (3). This course focuses on tools of economic analysis and concepts such as incentives, efficiency, tradeoffs, uncertainty, and aggregation. Examples include how to illustrate how economic concepts are used by executives to improve managerial performance and how economic thinking contributes to the resolution of problems they face.

ISS 5326. Marketing in the Public and Nonprofit Sector (1–3). This course provides information about the value of marketing orientation to public and nonprofit organizations.

ISS 5386. Information and Communication Management (3). This course examines management issues in government/nonprofit information technology, including the following: differences in public/nonprofit sectors and private sector; issues surrounding organizational structure for information service delivery; MIS planning and standard setting methods; personnel/staffing issues; procurement; and security/privacy issues.

ISS 5905r. Directed Individual Study (3). May be repeated to a maximum of six (6) semester hours.

ISS 5909r. Special Topics in Social Science (1–3). Interdisciplinary special topical interests of faculty. Content varies from semester to semester. May be repeated with the permission of the Director of the Interdisciplinary Program in Social Sciences.

ISS 5942r. Internship (3–6). Placement in employment situations related to each student’s academic interest under faculty supervision. Involves research related to a problem or issue facing the sponsoring entity. May be repeated to a maximum of six (6) semester hours.

ISS 5971r. Thesis (3–6). (S/U grade only.) A minimum of six (6) semester hours credit is required.

ISS 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

ISS 8976r. Master’s Thesis Defense (0). (P/F grade only.)
SOCIAL WORK

College of Social Work

Professors: Bardill, Figley, Harrison, Mazza, McNeese, Smith, Thyer, Vinton, Associate Professors: Alvell, Cronic, Maxwell, Assistant Professors: Altholz, T. Gomory, Hinterlong, Rutledge, Ryan, Sanders-Baffour, Siebert, Teasley, Willy; Visiting Assistant Professors: F. Gomory, Perry, Tyson; Faculty Administrators: Berry, Graham, Lager, Maddox, Stanley; Visiting Faculty Administrator: Kearney, Lecturers: Professor and Associate in Research: Box; Assistants in Field Instruction: Allen, Boone, Calohan, Detweiler, Ley, Schultz, Sheheen, Spring, Wilson, Yanke; Assistant in Field Instruction and Academic Advising: Mathis; Associate in Social Work: Cleveland

The College of Social Work offers programs of study leading to the degrees of: 1) master of social work, educating advanced practice social workers by acquiring competencies through two curricular concentrations: clinical social work and social policy and administrative practice; and 2) doctor of philosophy, which is designed to advance the social work profession through the development of researchers/scholars and educators providing students with a concentration area of study from among social welfare administration or clinical social work.

For complete details of graduate degree requirements, plus a description of the school, its opportunities, and available financial assistance, refer to the “College of Social Work” chapter in the Graduate Bulletin, or refer to http://www.fsu.edu.

Definition of Prefix

SOW = Social Work

Graduate Courses

The College of Social Work regards courses accompanied by a “+” as clinical/direct practice courses.

Note: there must be sufficient enrollment for particular elective courses to be offered.

SOW 5105. Human Behavior and the Social Environment (3). Majors only. This course provides an understanding of interactions among human, biological, social, psychological, and cultural factors that influence the social behavior of individuals and are affected by human behavior. The impact of social and economic forces on individuals and social systems is emphasized. An ecosystems approach is adopted for this course with an emphasis on the theoretical, conceptual, and empirical foundations that consider all potential areas of environmental influence (e.g., social, political, cultural, socioeconomic within various contexts), including the larger society and culture, the community, the organization, small groups and the family. Close attention will be given to skills in assessment, intervention, social justice, social equity, and sexual orientation.

SOW 5109+. Women's Issues and Social Work (3). This course is designed to acquaint students with the oppressive forces that affect women throughout life and the role that social work plays in addressing these issues. Particular attention is given to the intersection of race, age, social class, sexual orientation, and other systems of inequality that impact on women's lives. The role of the social work profession in reducing and changing these barriers is explored, as well as the role of practitioners in enabling or empowering women also is examined.

SOW 5125+. Psychopathology in Clinical Practice (3). This course provides an overview of mental health assessment and diagnostic tools including the Diagnostic Statistical Manual (DSMIV). Treatment strategies and techniques are addressed. The course also provides for students in counseling and other human service areas. SOW 5153+. Human Sexuality (3). This course is a survey of matters concerning human sexuality and human sexual behavior. Using a biopsychosocial perspective, emphasis is placed on the social, cultural, familial, and individual differences in sexual attitudes and behavior, and the impact of sexual behavior on individuals are introduced. Common sex-related issues and the particular concerns of various sexually oppressed groups. Information also is provided about childhood sexual abuse and adult sexual violence and how these traumas relate to the intimacy issues those clients typically present in direct practice. Students have the opportunity to develop beginning skills of assessment and treatment of psychosexual problems.

SOW 5235. Policies and Programs in Social Services (3). Majors only. The course is designed to build the understanding of the relationship among social welfare, social policy and American society from a social work perspective. Particular attention is paid to the ways in which the social institutions and social policy affect the nature of our present social welfare system, and its impact on disadvantaged populations.

SOW 5236+. Advanced Policy Analysis (3). Prerequisite: SOW 5235, or instructor permission. Majors only. This course addresses the procedures and processes of social policy development and analysis. Students will examine the definition, implementation, and evaluation of policies and their impact on a variety of client populations.

SOW 5243. Social Work Advocacy (3). Explores graduate students to the skills necessary to become effective human service advocates dealing with unmet needs, resolving social policy problems, or working to ameliorate unjust or inequitable conditions in society.

SOW 5244+. Group Treatment in Social Work Practice (3). Prerequisite: SOW 5243, or instructor permission. Majors only. This advanced clinical course examines theoretical foundation and practice techniques of group treatment. Students will be required to use a group process approach to accomplish social work goals. Students prepare group plans and present their findings to the class and the group supervisor.

SOW 5245. Organizational and Community System Change (3). Prerequisites: SOW 5345, 5371, 5435. This advanced SPA course is intended to increase students' competencies within the analysis of organizational and community systems and to develop action skills required to promote change.

SOW 5305. Theories and Models of Social Work Practice (3). Majors only. Course introduces students to a range of theories and models within an ecological systems framework. The emphasis will be on how each theory or model will be examined, along with application to generalist social work practice with various size systems. Attention is given to how theories and models incorporate major social issues (e.g., minorities, women, gays and lesbians, disabled people).

SOW 5340+. Theory and Practice of Poetry Therapy (3). Explores the application of the poetic medium as a treatment modality and practice techniques of poetry therapy with individuals, couples, families and groups.

SOW 5345. Advanced Social Services Administration (3). Prerequisites: SOW 5371, 5435, or instructor permission. Majors only. This course provides advanced understanding of organizational theory, including structure and process in social service organizations, environmental contexts, mission and goals, and organizational effectiveness. Students also develop skills in leadership, decision-making, strategic and client-centered management, and problem solving.

SOW 5353+. Marital and Couple Counseling in Social Work Practice (3). Prerequisite: SOW 5435. This course is an introduction to important theories, issues, and procedures of marital and couple intervention. Emphasis is given to the role of the professional social worker in the prevention and amelioration of marital and couple distress; opportunities for the refinement of practice skills through use of videotapes, exercises, case studies, and role plays.

SOW 5355. Social Work Practice (3). Majors only. This course is designed to provide students with an understanding of the social work profession's history and theoretical foundations in the development of case management in the scheme of service delivery. Students are guided in examining the following: 1) case management from the perspectives of history and theoretical foundations; 2) the role of the case manager in settings; and 3) contemporary issues and implications for the changing practice environment.

SOW 5366+. Theory and Practice of Intervention and Brief Treatment (3). Majors only, or by permission of instructor. This course introduces students to the theoretical foundations and practice models of crisis intervention and other forms of brief treatment.

SOW 5369+. Integrative Seminar in Advanced Social Work Practice (3). Corequisite: SOW 5535r. Majors only. Helps graduating social work students integrate theoretical concepts with practice experience gained in the field. Explores students' ideas about the definition and components of direct service practice; the goal is for students to identify a model to guide their own professional practice.

SOW 5374+. Supervised Visitation (3). (S/U grade only.) This course offers students an opportunity to be involved in conducting supervised visitation in conjunction with the Florida Department of Children and Families with the goal of providing a controlled, safe and supportive environment for children to visit with their non-custodial parent on a regular basis, thereby enabling an ongoing relationship between parent and child. Course participation will provide students an opportunity to facilitate the interaction between these parents and their children. Students supervised in this setting will record their observations; analyze applicable child welfare policies and procedures; and integrate theoretical understanding of domestic violence, sexual abuse, and sexual abuse/incest and/or neglect of children participating in the program.

SOW 5576. Budgeting and Finance in Social Services (3). Prerequisites: SOW 5335, 5371, 5435. This course emphasizes the political and technical skills of budgeting and financial management; resource development via grant writing and fiscal control, budgeting; spending budgets, fiscal reporting; and payroll management.

SOW 5577. Personnel Administration in the Social Services (3). Prerequisites: SOW 5335, 5371, 5435. This course emphasizes personnel policies and procedures in the workplace, as well as human resource development and administration. Emphasis is given to state laws, policies, federal and state programs, and human resource development and administration. Emphasis is also given to policies and procedures in the workplace, as well as human resource development and administration. Topics include the management of grants and preparation for auditing and monitoring of programs.

SOW 5535r. Graduate Field Instruction I (5–10). Prerequisite: SOW 5355. Majors only. This is a required field placement for first-year graduate students and is typically taken concurrently with course work. The course provides supervised generalist practice in a variety of social work agencies in an agency setting for a minimum of sixteen (16) hours per week.

SOW 5555. Graduate Field Instruction II (6–12). (S/U grade only.) Prerequisite: SOW 4510, 5335. Corequisite: SOW 5369. Majors only. This course requires field placement for second-year graduate students and is typically taken concurrently with course work. The course provides supervised advanced practice in a variety of social work agencies in an agency setting for a minimum of twelve (12) semester hours.

SOW 5554. Field Instruction. Majors only. Elective placement designated to assist the student in developing additional skills in social work practice, and to meet specific educational and professional needs. May be taken only by special arrangement through the Office of Field Instruction. May be repeated to a maximum of twelve (12) semester hours.
Department of SOCIOLOGY

COLLEGE OF SOCIAL SCIENCES

Chair: Patricia Y. Martin; Professors: Carlson, Eberstein, Hardy, Imershein, Kinloch, Martin, Orcutt, Padavic, Quadagno, Turner; Associate Professors: Brewster, Dahms, Reynolds, Simon; Assistant Professors: Barrett, Lloyd, Reid, Rohlinger, Schrock, Taylor, Tillerson, Ueno; Professors Emeriti: Armer, Fenrich, Ford, Hardy, Hazelrigg, Isaac, Nam; Affiliate Faculty: Chiricos, Hinterlong, Miles, Milton, Sly, Street

The Department of Sociology offers graduate degree programs leading to the Master of Arts (MA), Master of Science (MS) and Doctor of Philosophy (PhD) degrees. The department’s primary objective is to enable students in our graduate programs to become scholars who are able to engage in high-quality, innovative research. Its mission is to prepare students for high levels of teaching, and to train individuals who will serve as independent or collaborative research, depending on the individual graduate’s professional goals. Our main emphasis is on research in order to provide the skills needed for employment at top-level research institutes and organizations. Students also develop the ability to teach at the spectrum of institutions of higher learning, including liberal arts colleges, regional universities, and research universities. Numerous graduates also have filled positions in business corporations and government agencies.

The department’s most recent addition, the Master of Social Work degree program major in applied social research, may be completed in one calendar year if entered in the Fall semester. Requirements for the degrees as well as other rules and procedures are listed in the Guide to Graduate Studies in Sociology, a document that is updated as changes occur. The Department of Sociology, its graduate programs, and faculty is available on the world wide web: http://www.sociology.fsu.edu.

The Department of Sociology is located in the Bellamy Building in the heart of The Florida State University campus and includes such facilities as the Department of Sociology, its graduate programs, and faculty is available on the world wide web: http://www.sociology.fsu.edu.

SOW 5603+. Social Work in Health Settings (3). Explores the characteristics of health and medical care programs in the United States and the parameters of social work practice within them. Addresses patterns and standards of service delivery, rural-urban differences, and racial/ethnic and gender considerations.

SOW 5611+. Family Counseling in Social Work (3). Majors only, or by permission of instructor. Assesses a number of theoretical, ethical, and psychological issues. Presents assessment, intervention, and evaluation techniques and strategies.

SOW 5612+. Intensive Family Practice in Social Work (3). Prerequisite: SOW 5611. A seminar designed to help the advanced clinical social work student synthesize the conceptual and practical knowledge in the field, to apply this knowledge in the evaluation and treatment of families. Emphasis is placed upon specific families and community problems. Provides an ecological perspective emphasizing the interconnections between individuals experiencing violence in the social environment. Students are encouraged to attend seminars in theory, research, and social work practice settings.

SOW 5665+. Family Violence Across the Life Span (3). Provides an ecological perspective emphasizing the interconnections between individuals experiencing violence in the social environment. Emphasis is placed upon issues related to the theory, research and implementation of family violence and preventive strategies.

SOW 5666+. Juvenile Justice: A Social Work Perspective (3). This course is designed to provide students with an overview of the juvenile justice system, but is not limited to the following: the history of the juvenile justice system; the juvenile court system; the role of law enforcement; and community-based treatment and prevention initiatives involving youth; and the prevention and treatment of delinquency. Students also gain a first-hand perspective on these issues through visits to various community agencies and organizations.

SOW 5678+. Seminar on Loss and Bereavement (3). This seminar is designed to increase student's knowledge and understanding of the issues around loss, bereavement, dying, and death, and how we live to live the fullest while addressing these issues both personally and professionally. One of the primary goals of the course is to help students become familiar with, and gain confidence in helping clients who have suffered significant losses in their lives.

SOW 5688+. Living with AIDS: Prevention, Intervention, and Care (3). Course provides a comprehensive overview of the biopsychosocial implications of HIV/AIDS-related illness. Research and policy implications are reviewed, with a focus on the roles of service providers responding to the needs of persons living with HIV/AIDS.

SOW 5712+. Chemical Dependency Problems and Programs (3). Focuses on the physiologic, psychological, and sociocultural consequences of substance abuse. Emphasizes developing a basis for interpreting the behavior of the alcoholic and the alcoholic family. Attention is given to a variety of treatment modalities, and the problems associated with alcoholism among special populations.

SOW 5908r. Directed Individual Study (1–4), (S/U grade only). May be repeated to a maximum of six (6) semester hours.

SOW 5915r. Supervised Research (1–3). Enables students to engage in a group research project, under the direction of a faculty member. At least one component of the experience would relate to evaluation of social work practice. May be repeated to a maximum of six (6) semester hours.

SOW 5938r+. Social Work Seminars: Selected Topics (3). Examples of topics covered: diagnosis and treatment of adolescent pathology. Course content is presented within the context of the ecological perspective. Corequisites: SOW 6694. A review of various clinical research designs. Instructor required. May be repeated to a maximum of (6) semester hours.


SOW 694. Research Issues in Direct Practice (3). Prerequisite: SOW 6693. Comparative evaluation of various approaches to process and outcome research relevant for theory development in direct practice.

SOW 696. Course Design and Curriculum Building in Social Work (3). Historical examination of social work education. Focus is on curriculum building for adult learners in social work education.

SOW 6967. Philosophies of Science in Social Work (3). Examination of the philosophical bases of social work practice and research.

SOW 6968. Reading in Social Work/Social Welfare (1–6). May be repeated to a maximum of twelve (12) semester hours.

SOW 6969f. Individual Study (1–6), (S/U grade only). May be repeated to a maximum of twenty (20) semester hours.

SOW 6969r. Directed Research (1–6), (S/U grade only). Contracted research or scholarship directed by student's choice of faculty. May be repeated to a maximum of five (5) semester hours.

SOW 6969s. Seminar in Social Work Practice (2–5), (S/U grade only). Seminar in social work practice. May be repeated to a maximum of fifteen (15) semester hours.

SOW 6990. Master's Comprehensive Examination (0). (P/F grade only.) Focuses on helping student with the development of a dissertation prospectus. May be repeated to a maximum of twelve (12) semester hours.

SOW 6991r. Supervised Teaching (1–3), (S/U grade only). May be repeated to a maximum of five (5) semester hours.

SOW 6991v. Preliminary Examination (2–5), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 6994. Preliminary Examination (0–12), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 6996. Preliminary Doctoral Examination (0), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 6996r. Dissertation Defense (0). (P/F grade only.) Focuses on the development of dissertation proposals. May be repeated to a maximum of twenty (20) semester hours.

SOW 6998. Final Oral Exam (0), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 8985. Dissertation Defense (0), (P/F grade only.) May be repeated to a maximum of thirty (30) semester hours.

SOW 8986. Master's Comprehensive Examination (0), (P/F grade only.) May be repeated to a maximum of thirty (30) semester hours.

SOW 8987. Master's Thesis Defense (0), (P/F grade only.) May be repeated to a maximum of thirty (30) semester hours.

SOW 8988. Master's Thesis (0–18), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 8989. Preliminary Doctoral Examination (0), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 8990. Dissertation (0–18), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 8991. Dissertation (0–18), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 8992. Dissertation (0–18), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 8993. Dissertation (0–18), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 8994. Dissertation (0–18), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOW 8995. Dissertation (0–18), (S/U grade only). May be repeated to a maximum of thirty (30) semester hours.

SOcioLOGICAL Analysis see Sociology
Requirements for Admission

Under normal circumstances, departmental requirements for graduate admission into the traditional Master’s degree program, which generally leads to the Doctoral program, include a 3.0 GPA for the last two years of undergraduate study and a combined quantitative and verbal score of at least 1000 on the Graduate Record Examination (GRE). Requirements for graduate admission into the Master’s program in Applied Social Research (a one-year course of study) include a 3.0 GPA for the last two years of undergraduate study or a combined quantitative and verbal score of at least 1000 on the GRE. Applicants must also have received a “C” or higher grade in a three (3) semester hour college-level course in statistics.

Most students enter in the Fall semester, although some are admitted into the program during the Spring semester. Students who wish to be considered for fellowships or departmental assistantships must submit a complete application by January 15 of the year preceding their proposed entry into the graduate program. For students only applying for admission, for Fall admission the application deadline is November 1. Application for admission may be made online at http://www.sociology.fsu.edu. Some materials must be submitted both to sociology and to the Florida State University Graduate School Admissions Office. Consult the departmental website (http://www.sociology.fsu.edu) or contact the department at (850) 644-6416 for further information.

Financial Aid

The Department of Sociology makes every effort to provide financial assistance for students seeking the PhD degree. Financial aid possibilities include fellowships, teaching assistantships, and research assistantships. Students who receive financial assistance and make expected progress may receive support for up to four years.

Master’s Degree Programs

Master of Science with a major in Applied Social Research option

A total of thirty-three (33) semester hours are required, with a minimum of twenty-one (21) hours of graduate coursework that must be taken on a letter-grade basis in the Department of Sociology. Additional hours may be taken in sociology or in other appropriate graduate programs with approval of the sociology graduate director. A minimum of fifteen (15) semester hours of research methods and statistics courses must be taken. The following courses or approved substitutes are required:

- SYA 5345 Introduction to Research Methods (3)
- SYA 5406 Multivariate Analysis (3)
- SYA 5455 Social Statistics and Data Analysis (3)

In addition, one of the following research methods courses or an approved substitute is required:

- SYA 5315 Qualitative Research Methods in Sociology (3)
- SYA 5355 Comparative Historical Sociology (3)
- SYD 5135 Techniques of Population Analysis (3)
- SYD 5137 Fundamentals of Epidemiology (3)

A minimum of eighteen (18) semester hours of electives is also required.

Traditional Master’s Option

A minimum of thirty-four (34) semester hours is required, with at least twenty-one (21) hours on a letter-grade basis in graduate level courses in the Department of Sociology. Students must satisfactorily complete the following list of required courses and have their master’s paper approved by their supervisory committee. Required courses are as follows:

- SYA 5125 Classical Social Theory (3)
- SYA 5126 Contemporary Sociological Theory (3)
- SYA 5345 Introduction to Research Methods (3)
- SYA 5406 Multivariate Analysis (3)
- SYA 5455 Social Statistics and Data Analysis (3)
- SYA 5515 Research Methodology (3)
- SYA 5516 Research Sociological Research (3)
- SYA 5625R Proseminar (0–3)
- SYA 5971R Master’s Paper Research (1–6)

Elective courses: a minimum of twelve (12) semester hours

Master’s Research Paper

To receive a MS degree in sociology (traditional option only), students must successfully complete a master’s research paper. The master’s research paper entails a research project leading to an article-length manuscript (about 25 pages). The paper must be submitted to and be approved by a committee of faculty in the student’s specialty area.

Doctoral Degree

Formal admission to the doctoral program requires the approval of the Graduate Admissions and Financial Aid Committee and Graduate Director. Students with Master’s degrees from other institutions enter the doctoral program after they have completed the departmental core requirements and after their previous graduate work has been evaluated and approved by the faculty. Students officially become a candidate for the PhD degree upon successful completion of the major area preliminary examination. Students admitted to the doctoral program must complete the following for the doctoral degree:

1. Complete appropriate courses in major and minor study areas and a seminar in teaching sociology;
2. A written examination in the student’s major program area;
3. Completion of a doctoral research review paper;
4. Teaching of an undergraduate course; and

Requirements

There are four areas of study from which PhD students may select major and minor substantive areas: doctoral students must complete five courses in their major (primary) area and three courses in their minor (secondary) area.

Demography addresses issues related to birth (fertility, fecundity), marriage, health (morbidity), death (mortality), and migration (internal to the US and globally), including study of the vital processes and migration, per se, as well as a focus on social institutions which affect and are affected by demographic events.

Health and Aging considers the social distributions of psychological distress and disorder, substance abuse, and deviant behavior. Students also explore the relationship among such issues as health and labor force participation, health and family relationships, public insurance programs for the elderly, and the causes and consequences of inequality in access to health care over the life course.

Inequality and Social Justice involves the study of race, gender, and class inequality, the social movements (mobilization to effect social change), inequality in work and labor markets, and the political processes that contribute to or help ameliorate inequality.

Social Psychology enables students to gain expertise in classical and cutting-edge approaches to understanding the relation between the self and society. The area focuses on training students to understand and critically evaluate theory and research on social psychological processes.

Research Methods and Statistics may also be chosen as a minor area.

To receive the PhD degree, students must complete requirements beyond the master’s degree and/or departmental core curriculum, as well as teach an undergraduate sociology course. Additional requirements are as follows:

- SYA 5407, Advanced Quantitative Methods;
- Three (3) semester hours of SYA 6660, Teaching at the College Level in Sociology;
- Fifteen (15) semester hours of five (5) major area courses;
- Nine (9) semester hours of three (3) minor area courses;
- Written preliminary exam in major area;
- Completion of a doctoral review paper; and
- Doctoral dissertation.

Definition of Prefixes

DEM — Demography
SYA — Sociological Analysis
SYD — Sociology of Demography and Related Area Studies
SYO — Social Organization
SYP — Social Processes

Graduate Courses

Core

SYA 5125. Classical Social Theory (3). An introduction to the works of major social theorists in the nineteenth and early twentieth centuries, concentrating mostly on Marx, Jurgen, and Weber. How did they prefigure the development of sociology as a social science? How do their perspectives relate to such early American theorists as W.E.B. Dubois and Charlotte Perkins Gilman?

SYA 5205. Contemporary Sociological Theory (3). An introduction to the works of a broad range of recent theorists, primarily post-1945. Major emphasis is given to central issues and problems of recent theory and to critical analyses of logical-structural adequacy of theorizing. A student ordinarily completes SYA 5125 or its equivalent prior to this course.

SYA 5205. Theory Construction (3). An examination of theory construction and formalization issues such as epistemic premises and assumptions, modes of concept formation, modes and structures of explanation, implicated rules of evidence and data construction, and techniques of formalization. Usually a student completes SYA 5125 and 5126 or their equivalents prior to this course.
Prerequisites:
Seminar analyzes and offers intensive study in various fields. This course provides an overview of demographic data collection and evaluation as well as measurement of population processes, composition, and distribution, and social and economic characteristics of populations. Population trends, fertility, mobility, and population composition and distribution, and empirical and policy consequences of population dynamics.

SYD 5105. Population Theory (3). A seminar on historical and contemporary population thought and theory, with emphasis on critical evaluation of different ideas and theoretical frameworks useful for demographic analysis. This course covers the development of demographic data collection and evaluation, population processes, composition, and distribution, and social and economic characteristics of populations. Population trends, fertility, and mobility, and population composition and distribution, and empirical and policy consequences of population dynamics.

SYD 5135. Techniques of Population Analysis (3). This course covers the development of demographic data collection and evaluation, population processes, composition, and distribution, and social and economic characteristics of populations. Population trends, fertility, mobility, and population composition and distribution, and empirical and policy consequences of population dynamics.

SYD 5145. Population Policy (3). Seminar on issues of fertility, mortality, mobility, and population distribution policies with emphasis on critical evaluation of different ideas and theoretical frameworks useful for demographic analysis. This course covers the development of demographic data collection and evaluation, population processes, composition, and distribution, and social and economic characteristics of populations. Population trends, fertility, mobility, and population composition and distribution, and empirical and policy consequences of population dynamics.

SYD 5215. Mortality (3). Reviews conceptual and theoretical approaches to the study of mortality, and literature in the areas of morbidity and mortality. This course covers the development of demographic data collection and evaluation, population processes, composition, and distribution, and social and economic characteristics of populations. Population trends, fertility, mobility, and population composition and distribution, and empirical and policy consequences of population dynamics.


SYD 5717. Family Demography (3). This course examines the development of demographic data collection and evaluation, population processes, composition, and distribution, and social and economic characteristics of populations. Population trends, fertility, mobility, and population composition and distribution, and empirical and policy consequences of population dynamics.
internal/external labor markets; worker control; and race,
gender, sexuality, age, and work/family interactions.

SY O 6506. Research Seminar in Social Organization (3–9). An advanced seminar where students work closely with a faculty member to address the latest theory, research, and developments in a specific organizational area. May be repeated to a maximum of nine (9) semester hours.

SY O 6535. Advanced Research Seminar in Stratification and Inequality (3). Seminar in theories and research on behavior and social processes. Particular movements in society are studied relative to the social division of labor. May be repeated to a maximum of nine (9) semester hours.

SY P 3053. Collective Behavior and Social Movements (3). Seminar reviews theories of social movements that address the consequences of prejudice, discrimination, and related topics. May be repeated to a maximum of nine (9) semester hours.

SY P 6356. Sociology of the Contemporary Women’s Movement (3). Seminar reviews theories of social movements relative to the second wave feminist movement. Issues include labor market/workplace equality, violence against women, family, marriage, and sexuality relative to women’s collective organization and mobilizing.

Social Psychology

SY P 5005. Social Interaction (3). This course addresses the major sociological perspectives on social interaction—symbolic interactionism, dramaturgy, and ethnomethodology—as well as the methods used to study interaction. May be repeated to a maximum of nine (9) semester hours.

SY P 5006. Identity and the Self (3). This course focuses on sociological and psychological approaches to self and identity. May be repeated to a maximum of nine (9) semester hours.

SY P 5007. Sociology of Emotion (3). This course introduces students to theories of social movement and social change. May be repeated to a maximum of nine (9) semester hours.

SY A 5921. Supervised Research (1–5). May be repeated to a maximum of five (5) semester hours.

SY A 5946. Supervised Teaching (1–5). May be repeated to a maximum of five (5) semester hours.

SY A 5971r. Master’s Paper Research (1–6). (S/U grade only.) Research project leading to a paper that is required for the master’s degree. May be repeated to a maximum of six (6) semester hours.

SY A 6660. Teaching at the College Level in Sociology (3). A graduate seminar focusing on pedagogical issues and practical problems in teaching sociology at the college and university levels.

SY A 6933r. Selected Topics in Sociology (3). May be repeated to a maximum of nine (9) semester hours.

SY A 6938. Selected Topics in Social Institutions, Community Organization, and Social Policy (3). Topics may vary. May be repeated to a maximum of nine (9) semester hours.

SY A 6980r. Dissertation (1–12). (S/U grade only.) This course endeavors to provide competency in conducting original research that adds to sociological knowledge.

SY A 8945r. Doctoral Research Paper (1–12). (S/U grade only.) A comprehensive review of empirical/theoretical literature on a topic selected in consultation with the student’s major professor and supervisory committee. May be repeated to a maximum of twelve (12) semester hours.

SY A 8962r. Major Area Doctoral Preliminary Exam (0). (P/F grade only.)

SY A 8967r. Preparation for Major Area Preliminary Exam (1–12). (S/U grade only.) A mechanism for graduate students to use in preparing for the required comprehensive exam in their major area of study. May be repeated to a maximum of twenty-four (24) semester hours.

SY A 8968r. Preparation for Theory Preliminary Exam (1–6). A mechanism for graduate students to use in preparing for the theory pre-exam. May be repeated to a maximum of twelve (12) semester hours.

SY A 8976. Master’s Paper Completion (0). (S/U grade only.) A method for showing approval of the required master’s paper.

SY A 8981. Doctoral Research Paper Defense (0). (P/F grade only.) Indicates student has faculty approval for the Doctoral Research Paper.

SY A 8985r. Dissertation Defense (0). (P/F grade only.)

SPANISH LANGUAGE

see Modern Languages and Linguistics

SPANISH LITERATURE

see Modern Languages and Linguistics

PHYSICAL EDUCATION

Master’s Programs

The master of science (MS) degree in physical education comprises two majors: sport administration and physical education with concentration in teacher education. Both thesis and nonthesis options are offered in both majors. Core courses are required in all tracks. Six (6) semester hours of 4000 level work may be part of the program with permission of the supervisory committee. Master’s degree applicants for the physical education major must have completed an undergraduate major in physical education from an accredited institution with teacher certification in physical education.

An alternate master of science degree with initial certification in physical education is offered for people who already have an undergraduate degree. This two year program including undergraduate and graduate coursework will prepare students for a K–12 teaching certification and a masters degree.

Specialist Program

The specialist in education degree in physical education is available with a major in physical education with a concentration in teacher education. Students in this major must meet all requirements for the doctoral program in physical education.
Doctoral Programs

The doctor of philosophy and doctor of edu-
cation degrees in physical education have majors in
sport administration and physical education with
a concentration in teacher education. The
prospective student in either the sport adminis-
tration or the teacher education program should
have completed a master’s degree in physical ed-
ucation, sport administration, or a related
area and should have a minimum of two years
experience in full-time, K–12 physical edu-
cation teaching, administration, or other appropri-
ate professional experience. An emphasis in
physical education must have teacher
qualification in physical education. In some cases,
this experience may be gained while the gradu-
ate student is pursuing the degree. Students are
admitted by approval of faculty in their major
after a review of admissions materials, including
transcripts and recommendations.

Admissions

All applicants for advanced degrees in the
department must take the Graduate Record
Examinations (GRE) and present acceptable
scores. Three letters of recommendation ad-
dressing capabilities for graduate study and a
letter of intent are also required. Final approval
for admission to a program will be determined
by the faculty in the specialization to which the
student is applying. Additional requirements may
go above and beyond the minimum University
or departmental requirements.

Sport Administration and Teacher Educa-
tion in Physical Education. Master’s students
must have a bachelor’s degree from an accredited
institution and present a GRE score. They may
be admitted with a 3.0 upper-division grade point
average (GPA) or with a 1000 on the GRE (with
neither verbal nor quantitative below 400). GRE scores
must be submitted in order for an applica-
tion to be considered complete. Doctoral students
must have a master’s degree from an accredited
institution and present a GRE score. They may
be admitted with a 3.0 (on the GRE (with neither verbal
nor quantitative below 450)). Applicants
with a minimum of 450 on each part but less
than 1000 may be admitted if supported by
additional evidence of scholarly ability. These
scores represent minimum requirements and do
not guarantee admission. For more details
on all programs and admission standards, please
refer to the departmental website at http://
www.fsu.edu/~smrmpe.

Definition of Prefixes

PEO Physical Education Activities
(Professional): Land—Object Centered
PSP — Physical Education Activities
(Professional): Land—Performance Centered
PET Physical Education Theory

Graduate Courses

PEO 5002. Educational Games I (3). Corequisites:
PET 4710, 4710L. The purpose of the course is to study the
appropriate design and development of physical edu-
cation activities from a developmental perspective within
the developmental curriculum model. Students should be able to
articulate research in physical education teacher education
related to content area and the need for further
research analysis and development system to plan learning experiences
for the four developmental stages of games.

PET 5208. Foundations of Movement for Children (3).
Prerequisites: PET 4710, 4710L. The purpose of this course is to provide the
foundational knowledge, practical teaching experience, and
research skills necessary for the future physical education teacher.

PET 5145. Issues in Physical Education (3). A dis-
cussion of current issues in physical education.

PET 5252. Game and Physical Activity
(3). Poststructural and feminist theory are used to critically
evaluate the commonplace notions surrounding gender and
sport. Students will become familiar with systems used in assessing risk in
school physical education curricula. Graduate students
will become familiar with systems used in assessing risk in
the sport industry.

PEO 5042. Educational Games I (3). Corequisites:
PET 4710, 4710L. The purpose of the course is to study the
appropriate design and development of physical edu-
cation activities from a developmental perspective within
the developmental curriculum model. Students should be able to
articulate research in physical education teacher education
related to content area and the need for further
research analysis and development system to plan learning experiences
for the four developmental stages of games.

PET 5208. Foundations of Movement for Children (3).
Prerequisites: PET 4710, 4710L. The purpose of this course is to provide the
foundational knowledge, practical teaching experience, and
research skills necessary for the future physical education teacher.

PET 5145. Issues in Physical Education (3). A dis-
cussion of current issues in physical education.

PET 5252. Game and Physical Activity
(3). Poststructural and feminist theory are used to critically
evaluate the commonplace notions surrounding gender and
sport. Students will become familiar with systems used in assessing risk in
school physical education curricula. Graduate students
will become familiar with systems used in assessing risk in
the sport industry.
The Florida State University

Graduate Courses

LEI 5171. Philosophical, Social, and Behavioral Foundations of Leisure (3). An overview of philosophical, environmental, social, and psychological phenomena of leisure and recreation such as socialization, motivation, attitude, satisfaction, boredom, and wellness. Scientific and philosophical explanations will be used.

LEI 5185. Current Issues in Leisure (1). Addresses the current issues facing the profession and the practitioner of leisure services.

LEI 5553. Problems of Staff Development (3). An in-depth analysis of the issues and problems related to working with staff members. Designed to enhance the skills and knowledge necessary to successfully motivate, train, appraise performance, and compensate staff members.

LEI 5555. Analysis and Management of Leisure Systems (3). Analysis and evaluation of leisure systems, operations, programs, personnel, and fiscal resources from a quantitative and qualitative perspective.


LEI 5815. Leisure Education (3). Develop the knowledge and skill to enable student to conceptualize and design programs, services, and strategies to educate public for leisure.

LEI 5889. Research in Leisure Services (3). Critique of research, the sources and skills of constructing research designs.

LEI 5908r. Directed Individual Study (1–3). May be repeated to a maximum of four (4) semester hours. A minimum of three (3) semester hours may apply to the master’s degree.

LEI 5915r. Supervised Research (1–4). (S/U grade only.) May be repeated to a maximum of four (4) semester hours. A minimum of three (3) semester hours may apply to the master’s degree.

LEI 5930r. Special Topics in Recreation and Leisure (1–3). Topics of current or special interest in recreation and leisure services are studied in depth. May be repeated for a maximum of twelve (12) hours.

LEI 5941r. Practicum in Leisure Services (1–6). Designed to provide the student an opportunity to gain practical experience by working in a leisure setting. May be repeated to a maximum of six (6) semester hours.

LEI 5944r. Practicum in Leisure Services (1–3). Designed to provide the student an opportunity to gain practical experience by working in a leisure setting. May be repeated to a maximum of six (6) semester hours.

LEI 5945r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

LEI 5971r. Thesis (1–6). (S/U grade only.) A minimum of six (6) semester hours is required.

LEI 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)

LEI 8976r. Master’s Thesis Defense (0). (P/F grade only.)

SPORTS PSYCHOLOGY

see Educational Psychology and Learning Systems

This faculty is sustained through active involvement in local, state, national, and international teaching, research, and service.

Admission Requirements

Admission to graduate studies requires acceptance to both The Florida State University and to the program of recreation and leisure services administration. Students are admitted in both the fall and spring semesters. Admission to the graduate program is based upon the following: 1) baccalaureate degree from an accredited college or university; 2) good standing in the institution of higher learning last attended; 3) a graduate application with professional goals statement for recreation and leisure services; 4) three recommendation forms; and 5) submission of current GRE scores; and 6) minimum grade point average (GPA) of 3.0 (on a 4.0 scale) in the last two years of study for baccalaureate degree, or a 3.5 (on a 4.0 scale) in a master’s degree program, or a minimum score of 1000 on the combined verbal and quantitative portions of the Graduate Record Examinations (GRE). Final selection decisions are determined by examining a composite of all the above information. GRE scores must be submitted for an application to be considered complete.

All students must take the GRE and submit their scores before enrolling in graduate course work, even if they have been accepted to the program based on their GPA. For application materials, contact: Graduate Coordinator, Recreation and Leisure Services Administration, 200 Tully Gym, The Florida State University, Tallahassee, FL, 32306–4280 or call (850) 644–4813.

Degree Requirements

The minimum number of semester hours required to earn a nonthesis master’s degree is thirty-five (35). Thirty-two (32) hours are required for students writing a thesis. Graduate students entering the program who do not have a degree in the recreation/leisure/park field from a National Recreation and Park Association accredited curriculum, or who have not completed an internship, may be required to satisfy deficiencies by successfully completing undergraduate courses and/or an internship.

The thirty-five (35) semester hours required by all students include LEI 5171, 5185, 5889, 5815, 5555, 5530, 5576, 8966 or 8976; EDF 5400; and twelve (12) elective hours in an area of concentration. Students may elect to earn special certificates in their master’s program by taking a carefully planned series of courses in one of the following areas: aging studies, college teaching, and/or public administration. Students desiring the college teaching certificate may use their elective hours to take course work such as EDH 5051, 5081, 5305, 5402, and EDA 5506. Those interested in the public administration certificate may use elective hours to take PAD 5035, 5050, 5106, 5227, and 5417. Students wanting the aging studies certificate may use elective hours to take REL 3191; ISS 5930 and, 5945; and URP 5520.

The faculty is also willing to work with students to design individualized programs of study which suit the needs and interests of the students. Examples of other specialty areas are: leisure education and counseling, leisure behavior research, computer applications to leisure systems and fitness/wellness.

Definition of Prefix

RECREATION AND LEISURE SERVICES ADMINISTRATION

Coordinator: Cheryl Beeler

The graduate program at the master’s level is designed to prepare students for top-ranking administrative and management positions in recreation/leisure/park delivery systems. The program attracts the type of student who aspires to become a problem solver, trendsetter, decision maker, and leader within the recreation/leisure/tourism field.

With the master’s degree from the recreation and leisure services administration program, students may qualify for such positions as: community college or university instructor of recreation/leisure curricula, and CEO/superintendent/manager/supervisor of programs or activities.

Examples of places of employment may include but not be limited to: colleges/universities; morale and welfare divisions of military bases; correctional centers; state departments of natural resources; divisions of tourism; destination resorts or hotels; convention and visitors bureaus; city, county, or regional park and recreation departments; youth-serving organizations; corporate recreation divisions; health/fitness centers or spas; and retirement community or senior centers.

The recreation and leisure services administration program prides itself on one of the finest faculty across the nation. The faculty members take pride in their sincere interest in the lives of individual students. The faculty is a cohesive group that enjoys scholarship, teaching, learning, and sharing with students. The national reputation of
College of Arts and Sciences

Chair: Myles Hollander, Director, Statistical Consulting Center: Ramsier; Professors: Hollander, Huffer, McGee, McKenage, Sethuraman, Zahn; Associate Professors: Niu, Song, Srivastava, Wegkemp; Assistant Professors: Bunea, Chattopadhyay; Visiting Assistant Professors: Chicken, Dixon; Assistants in Statistics: Bose, Ramsier; Professors Emeriti: Basu, Bradley, Leyssief, Marsaglia, Meeter, Proschan

The Department of Statistics offers programs leading to Master of Science (MS) and Doctor of Philosophy (PhD) degrees. Emphases include probability theory and stochastic processes, mathematical statistics, and applied statistics are possible.

The MS program prepares the student for future graduate study toward the doctorate or for professional careers in industry and government. There are three tracks in the MS program: the applied statistics option is a four-semester program that emphasizes the statistical and consulting skills necessary for a professional statistician immediately employable in business, industry, and government. While some statistical theory is taught, the emphasis is on the applications of statistical techniques. Within this applied statistics option, the student may pursue a course of study that emphasizes computational biology. The mathematical statistics option is a four-semester program together with a comprehensive examination, which emphasizes both applied and theoretical statistics. With the deeper training in the theory of statistics this program provides, students are prepared for immediate employment in industry. It also prepares them for continuation into the doctoral program in the department. MS students planning to continue to the doctoral program should select this option. For more information, including revisions or additions to options and programs, please contact the department by phone at (850) 644-3218 or visit the departmental website: http://scst.fsu.edu.

The PhD program prepares the student for research, university teaching, and research participation in government and industry. Doctoral programs are in order to permit study up to the research level in two specializations, only one of which need be in the Department of Statistics; examples are probability and mathematical statistics, probability and functional analysis, mathematical statistics and economic theory, and mathematical statistics and population genetics. The dissertation must constitute scholarly research in the advancement of knowledge in the theory or utilization of probability and statistics.

The Department of Statistics offers a wide selection of graduate and undergraduate courses in statistical methods for nonmajors with minimal background in mathematics. Course outlines for recent offerings of these courses are available in the departmental office.

Facilities

The Department of Statistics provides statistical consultation on University research through the Statistical Consulting Center. The center works cooperatively with faculty and graduate students in research and plays a role with research teams in the design of experiments and the analysis of data. Graduate students who anticipate theses and dissertations involving statistical analyses should plan their programs to include basic training in statistics in order to take full advantage of the services of the center.

The Department of Statistics, has a local area network of workstations and PC’s running Solaris, IRIX, Linux and Windows operating systems, as well as networked printers. Linked to the campus-wide network, they may be used to access the university operated supercomputers, other university systems, and Internet and Internext2 networks.

Faculty members of the Department of Statistics are engaged in basic research supported by grants and contracts with such agencies as the National Science Foundation, the National Institute of Health, the National Imagery and Mapping Agency, and the United States Army Research Office. The department was one of four units of the University that participated in a National Science Foundation Science Development grant designed to develop centers of excellence in the sciences. The program of the department is currently designated by the State of Florida as one of its programs of distinction.

The Department of Statistics maintains a departmental computer laboratory, the Wilcoxen Memorial Room, and provides facilities for computation in connection with course work and research. The Laboratory for Computational Vision, funded by federal grants, houses high performance Silicon Graphics computers for large computations and visualizations, and high performance computing. The lab is an important part of the department’s thrusts in multi-disciplinary research.

College Requirements

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Admission Requirements

Prior work in statistics is not a requirement for admission to graduate study. Normally, students who elect the mathematical statistics MS option should have the essentials of an undergraduate mathematics major. Students who have not had mathematics MAA 4226–4227 or the equivalent must expect to progress at a somewhat slower rate. Students who elect the applied statistics option should have had the equivalent of three semesters of calculus. A score of at least 1100 on the aptitude test of the Graduate Record Examinations (GRE) is required. Individual programs of study are developed in consultation with the departmental faculty through supervisory committees appointed during the first semester of graduate study.

Master of Science Degree

The following options of the master of science degree are possible:

1. A program emphasizing applied statistics which can normally be completed in four semesters without a comprehensive examination;

or

2. A program emphasizing mathematical statistics which can normally be completed in four semesters with a comprehensive examination.

Within the science degree candidates intending to continue to the doctoral program in this department must select the mathematical statistics option. A detailed description of the master of science program in statistics can be obtained from the department. Full course programs are prepared in consultation with the student’s master’s supervisory committee.

The Doctor of Philosophy Degree

Doctoral students concentrate course work in two areas of specialization, to the extent that the course work brings them to the frontiers of knowledge in the areas chosen. Unusual flexibility exists within this program, in that only one of the areas needs to be chosen from within the department.

The department offers an Interdisciplinary Option (IO) within the doctoral program. This program is consistent with the department’s emphasis on interdisciplinary research. IO students select an area of interest in a field related to statistics. To begin taking graduate level courses in an area of interest, IO students are recommended to have prior course work or experience in their selected area. IO students take at least three graduate level courses in their area of interest as well as the core courses required for the standard PhD option.

The department also offers a standard PhD program that features concentration in four areas:

1. probability theory and stochastic processes;
2. statistical inference;
3. applied statistics, including biostatistics; and
4. reliability theory and survival analysis.

A student may choose both concentrations from the above areas. A student preparing for an academic career in a department of mathematics may wish to combine study in probability and stochastic processes with functional analysis in the Department of Mathematics. A student interested in applying statistics to environmental problems might combine study in statistics with ecology or environmental studies in the Department of Biological Science. Many such combinations are possible and have been completed by graduates of our program.

The course program must include a minimum of twelve (12) semester hours at the 6000 level, with the selection of courses subject to the approval of the student’s supervisory committee. There is no formal language requirement, although a student’s advisory committee may suggest reading knowledge of a foreign language if that is relevant to the research work being planned or the student’s career plans.

Course programs and exact degree requirements are determined individually for students through consultation with their supervisory committees. Many students enter the doctoral program through the master’s program. Students entering the program with equivalent work at other institutions will not be required to repeat it here. In preparing a course program, however, students should keep in mind that they should not be required to pass the PhD qualifying examination as one step towards the degree.

Definition of Prefix

STA — Statistics
STA 5166. Advanced Statistics in Applications I (3). Prerequisite: STA 5327. Contemporary methods in applied statistics; resampling methods including bootstrapping; nonparametric regression.

STA 5172. Statistics for Epidemiology (3). Prerequisite: STA 2171. This course introduces the statistical methods developed for and used in epidemiology. Topics to be covered include statistical design issues in epidemiological studies, measures of disease occurrence, measures of association, and adjusting for confounding without and with multivariate models.

STA 5176. Statistical Modeling with Application to Biology (3). Prerequisites: STA 4442 or STA 5440. Maximum likelihood principle, missing data and EM algorithm; assessment tools such as bootstrap and cross-validation; Markov chain and hidden Markov models; classification and regression trees (CART); Bayesian models and Markov chain Monte Carlo algorithms.

STA 5179. Applied Survival Analysis (3). Prerequisite: STA 5171. This course introduces the application of survival analysis, one of the most commonly used analytic tools in biomedical studies. Topics to be covered include censoring and time scales, parametric models, nonparametric models, and regression methods, which stress the probabilistic foundations model.

STA 5206. Analysis of Variance and Design of Experiments (3). Prerequisite: One of STA 2122, 4322, or 5126. Graduate credit for non-statistics majors only. One and two-way classifications, nesting, blocking, multiple comparisons, incomplete designs, variance components, factorial designs, confounding.

STA 5207. Applied Regression Methods (3). Prerequisite: One of STA 2122, 4322, or 5126. Graduate credit for non-statistics majors only. General linear hypothesis, analysis of variance, linear correlation, multiple regression, analysis of covariance, and analysis of variance/covariance matrices.

STA 5208. Linear Statistical Models (3). Prerequisite: STA 5227

STA 5225. Sample Surveys (3). Prerequisite: A course in statistics above STA 1013 or consent of instructor. Simple, stratified, and cluster sampling, ratio and regression estimation, multistage sampling.

STA 5238. Applied Logistic Regression (3). Prerequisite: STA 2171. This course is an introduction to logistic regression, one of the most commonly used analytic tools in biomedical studies. Topics include fitting the model, interpretation of the model, model building, assessing model fit, model validation, and model uncertainty.

STA 5244. Clinical Trials (3). Prerequisite: STA 2171. This course offers an introduction to clinical trials. Topics to be covered include defining the research question, basic study designs, randomization, blinding, sample size, baseline assessment, data collection and quality control, monitoring, issues in data analysis, closing out a trial, reporting and interpreting results, and issues in multi-center trials.

STA 5325. Mathematical Statistics I (3). Prerequisites: STA 4442, STA 5440 and either MAC 2313 or STA 5326. Sufficiency, point estimation, confidence intervals, hypothesis testing, regression, linear models, Bayesian models.

STA 5326. Distribution Theory and Inference I (3). Prerequisite: MAC 2313; at least one previous course in statistics or probability. Introduction to probability, random variables, distributions, limit laws, conditional distributions, and expectations.

STA 5327. Statistical Inference I (3). Prerequisites: STA 5326, 5446. Statistical inference viewed at a measure-theoretic level.

STA 5334. Limit Theory of Statistics (3). Prerequisite: STA 5327. Convergence of distribution and random variables, laws of large numbers, central limit theorems, asymptotic distributions, asymptotic efficiency, rates of convergence, the weak invariance principle.

STA 5440. Introductory Probability I (3). Prerequisite: MAC 2311. Random variables, probability of random variables, generating functions, central limit theorem, laws of large numbers.

STA 5446. Probability and Measure (3). Prerequisites: STA 4327, 5307, or the equivalent. Classes of sets, probability measures, construction of probability measures, random variables, expectation and integration, independence and product measures.

STA 5447. Probability Theory I (3). Prerequisites: STA 5326, STA 5446.

STA 6087. Applied Nonparametric Statistics (3). Prerequisite: A course in statistics above STA 1013 or consent of instructor. Applications of nonparametric tests, estimates, confidence intervals, multiple comparison procedures, multivariate nonparametric methods, and nonparametric methods for censored data.

STA 5619. Operations Research: Linear and Dynamic Programming (3). Prerequisite: MAC 2312. Techniques of optimization in deterministic and stochastic processes, time dependent or time independent, the simplex method, duality, applications to game theory, Bellmans recursion equations, applications to problems in science, economics, industry, and engineering.

STA 5666. Statistics for Quality and Productivity (3). Prerequisites: STA 5167 or consent of the instructor, and either STA 4322 or 5126. Statistics for quality control and productivity; graphical methods; control charts; design and experimentation for product and process improvement.

STA 5767. Reliability Theory and Life Testing (4). Prerequisite: A basic course in probability and statistics.

STA 5707. Applied Multivariate Analysis (3). Prerequisite: One of STA 5167, 5207, or 5327. Inference about mean vectors and covariance matrices, canonical correlation, principal components, discriminant analysis, cluster analysis, computer techniques.

STA 5746. Multivariate Analysis (3). Prerequisite: STA 5322.

STA 5807. Topics in Stochastic Processes (3). Prerequisite: STA 5322. May be repeated to a maximum of twelve (12) semester hours.

STA 5856. Time Series and Forecasting Methods (3). Prerequisite: STA 5126, QMB 3200, or equivalent. 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.

STA 5909r. Directed Individual Study (1–12). (S/U grade only.) May be repeated.

STA 5910r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may be applied to the master’s degree.

STA 5920r. Statistics Colloquium (1). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.

STA 5941r. Supervised Teaching (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.

STA 5971r. Thesis (3–6). (S/U grade only.) Six (6) semester hours credit required.

STA 6174r. Advanced Methods in Epidemiology (3). Prerequisites: STA 5167, STA 5325. This course presents advanced methods for describing, analyzing, and modeling data from observational studies. The initial offering includes introductions to meta-analytic methods, bootstrap methods, and randomization tests. Topics vary with each offering. May be repeated up to a maximum of six (6) semester hours.

STA 6246r. Advanced Topics in Applied Statistics (2–3). Prerequisite: STA 5167. May be repeated to a maximum of twelve (12) semester hours.

STA 6460r. Advanced Probability (3). Prerequisite: STA 5447.

STA 6460r. Advanced Probability in Statistics (2–3). May be repeated to a maximum of twelve (12) semester hours.

STA 6555. Nonparametric Curve Estimation (3). Prerequisite: STA 5327 or consent of instructor. Estimation of regression and density functions and their derivatives where no parametric model is assumed. Kernel, local polynomial, spline and wavelet methods. Emphasis on analysis and applications of the smoothing techniques and data-based smoothing parameter selectors.

STA 6709. Spatial Statistics (3). Prerequisites: STA 5208, STA 5327; familiarity with S-Plus or SAS software. Methods for the analysis of spatial data, including geostatistical data, lattice data and point patterns. Theory and applications of basic principles and techniques.

STA 6858. Advanced Time Series Analysis (3). Prerequisite: STA 5856 or consent of instructor. Stationary and nonstationary processes, univariate ARIMA and transfer function models, multivariate time series models, state-space models, nonlinear time series models, estimation procedures, model building strategies and forecasting applications to real world problems.

STA 6906r. Directed Individual Study (1–12). (S/U grade only.) May be repeated.

STA 6980r. Dissertation (1–12). (S/U grade only.)

STA 8961. Statistics Proficiency Examination (0). (P/F grade only.)

STA 8964. Preliminary Doctoral Examination (0). (P/F grade only.)

STA 8970. Master’s Comprehensive Examination (0). (P/F grade only.)

STA 8976. Master’s Thesis Defense (0). (P/F grade only.)

STA 8985. Defense of Dissertation (0). (P/F grade only.)
Department of TEXTILES AND CONSUMER SCIENCES

COLLEGE OF HUMAN SCIENCES

Chair: Rinn M. Cloud; Professors: Cloud, Goldsmith, Moore; Associate Professors: Fiorito, Grise, Heitmeyer, Sullivan; Assistant Professors: Black, Kind; Associate in Merchandising: McLaughlin; Assistant in Textiles and Consumer Sciences: Blanco, Assistant in Residential Science: Hattaway; Professors Emeriti: Adam, Avery, Davis, Edgeworth, Kittle, Kuehne, Warden; Eminent Scholar: Susan Watkins

Through advanced study and research, graduate programs in the Department of Textiles and Consumer Sciences contribute to meeting the needs of individuals, families, and communities for functional and aesthetic apparel and textile products, profitable retail businesses, and successful residential environments.

The department offers graduate programs leading to the master of science (MS) degree with thesis and coursework options in the following areas of emphasis: textiles, retail merchandising, apparel product development, creative design, global product development, and residential science. The department also participates in the doctor of philosophy (PhD) degree in human sciences with specializations in merchandising, apparel product development, and textile product performance.

Facilities for graduate study include: chemical and physical textile laboratories with a conditioning room and sensory evaluation laboratory, the Burdines Merchandising Technology Laboratory, the Lectra Computer-aided Design Laboratory, apparel assembly and design laboratory, general computer laboratories, an outstanding research and teaching collection of historic clothing dating from the 1800s, textiles dating from the 1400s, and a display gallery. The textiles collection includes the unique Carter Collection of pre-Columbian Peruvian Textiles.

The decision to accept a student for graduate study is made by the departmental graduate faculty, contingent upon meeting University and college admission requirements and based on the quality of the applicant's credentials as compared to others in the graduate admissions pool. In addition to the application materials required by the University, the department requires three letters of recommendation and a one-two-page statement of professional goals and research interests. Students who do not have previous course work in the field of study are encouraged to apply, although background courses will be required. These may be completed while in residence for the graduate degree, but do not apply toward degree credit.

Financial Aid

To allow qualified students to pursue graduate degrees, teaching and research assistantships and college and University fellowships are available on a competitive basis. Application materials should be submitted to the department by January 1st to ensure consideration for the Fall; forms are available upon request. Information concerning other types of financial aid may be obtained by contacting: Office of Financial Aid, A4474

University Center, The Florida State University, Tallahassee, FL 32306-1046.

Master of Science Programs

Master of Science programs are designed to prepare students for careers in the textile, apparel, retail and housing industries. Two types of master's programs are available: thesis and non-thesis (coursework only). The thesis master's degree provides a strong foundation for doctoral study.

Thesis Programs

A candidate for the master's of science (MS) degree may select an emphasis in: textiles, retail merchandising, apparel product development, or residential environments.

Programs of study for the thesis master's degree require a minimum of thirty-three (33) semester hours, including six (6) semester hours of thesis, twelve (12) semester hours of foundational coursework in research, theory and statistics, nine (9) semester hours in the area of emphasis, and six (6) semester hours of supporting coursework from an appropriate field within the department. Final approval of the program of study rests with the supervisory committee. Students without an undergraduate degree in the field will be required to take additional leveling courses.

Textiles

Graduate students in textiles focus their studies on the performance properties of textiles and the effect of these properties on product development and wear satisfaction. Research focuses on comfort and barrier performance of protective clothing fabrics, and light and laundry fastness of environmentally-improved textiles.

Retail Merchandising

The retail merchandising emphasis allows students to investigate business and consumer factors influencing the development, retail distribution, and sale of consumer goods. Research may focus on planning and analysis of financial performance of small business, emerging technologies in retailing, patronage and shopping behavior, or factors influencing apparel consumption.

Apparel Product Development

Graduate students in apparel product development apply the theories and principles of design process to develop solutions for functional clothing issues. Research addresses needs assessment, prototype development, and evaluation of various types of functional apparel.

Residential Science

The emphasis in residential science addresses the effect of the housing environment on human health and well being and the application of business and human behavior principles to the development and management of single and multifamily housing. Research in this area addresses issues in residential property management, residential development, and satisfaction with housing choices.

Coursework Programs

Coursework (non-thesis) programs require a minimum of thirty-nine (39) graduate semester hours. Students without appropriate background coursework will be required to complete additional undergraduate or graduate courses. Detailed course requirements for each of the following areas are available from the department.

Professional Merchandising with Practicum

The professional merchandising emphasis includes a practicum with a retail firm or a merchandising research project. The program of study provides advanced coursework in retail merchandising, supply chain management, consumer patronage and purchase behavior, and market analysis, as well as foundational courses in research, theory and statistics. Students without a previous degree in retail merchandising will be required to complete additional undergraduate or graduate courses. This program prepares students from varying backgrounds for careers in retail management or buying, or with firms providing retail analysis services.

Creative Design

In addition to courses focused on creativity, design process, product development theory, and problem solving, the emphasis in creative design includes advanced development of creative apparel designs for submission to juried competition and development of a themed collection for exhibition. Outstanding computer-aided design (CAD) facilities enable students to employ leading-edge technology in developing and presenting their designs. Students without previous coursework or experience in apparel design will be required to complete additional undergraduate or graduate courses, extending the program by at least one additional year. Students with an apparel design background can typically complete the program in a year and a half. The added experience strengthens the student's design portfolio, increasing their employment opportunities in the apparel industry.

Global Product Development

The global product development emphasis prepares professionals to address consumer and technical issues involved in developing fashion products in and for the global marketplace. The program of study focuses on theoretical and technical aspects of color and color communication, product testing and evaluation for quality management, global consumer and market assessment, and international trade issues. Optional courses taught at international locations may also be included in the student's program. Students without appropriate background coursework will be required to complete additional undergraduate or graduate courses.

Residential Science

Students in the residential science emphasis complete advanced coursework in housing, including a Graduate Certificate in Residential Development. The program explores theories and trends regarding the overall housing industry from conception to construction. In addition, students are introduced to the development process with an in-depth look at how projects get started—the "due diligence" phase. Through the practicum, students also have an opportunity to get hands-on field experience.
Advanced study of selected topics in
(S/U grade only.) A minimum
Principles
Prerequisite: Back
Indepth study of
—
Prerequi—
—
Housing and Home Design
Home Economics: General
Courses
hrs. 
Topics vary. Each topic may
(2) order
COT 5426r. Recent Developments in Textiles (3).
Prerequisite: previous textile coursework. This course offers
depth analysis of current, specialized topics in textiles with a
focus on economics, environmental, and technological factors
related to textiles and apparel industry. Credit may be repeated
for a maximum of six (6) semester hours.
COT 5535r. Advanced History of Costume (3).
Prerequisite: History of costume, or textiles, or permission of
instructor. Western and non-Western textile and historical
design practices, and the industrial and social-economic
cultural, social, religious, aesthetic, and cultural influences.
Introductory to historic textiles and research may be repeated
for a maximum of six (6) semester hours.
COT 5538. Historic Textiles and Clothing Collection
Management (1–4).
Prerequisite: Permission of instructor. The course combines
practical aspects of historic textiles and their relationship to
collection and research. Students will learn proper textile
preservation, conservation, storage and display storage
practices for historic textiles. The course includes knowledge
of collection management and data base management.
This course may be repeated to a maximum of six (6) semester
hours.
COT 5605. Theoretical and Cultural Aspects of
Clothing (3). Prerequisite: COT 3602 or permission of the
instructor. Theoretical and socio-economic approaches to clothing
and their economic, social, and psychological forces as
determinants of fashion in modern times.
COT 5706. Creativity: Consumer Product
Development (3–4).
Processes and techniques to stimulate and develop
new creativity from a multidisciplinary approach for the
development of new consumer products.
COT 5729. Experimental Clothing Design (3).
Prerequisite: COT 4752, 4773 or permission of the
instructor. Theoretical approach to designing fashionable
and functional clothing for special needs related to age, physical
and mental disabilities, occupation, recreation, and thermal
comfort.
COT 5754r. Advanced Draping (3).
Prerequisite: COT 4729 or permission of instructor. Advanced
interpreters and design methods for designing and draping
functional garments. This course emphasizes techniques to
solve complex problems in design development. May be
repeated to a maximum of six (6) semester hours with
permission of instructor.
COT 5760r. Creative Design: Exhibition and
Competition (3). Prerequisite: Background in apparel design. Develop-
ment of original and innovative design ideas through two
dimensional and threedimensional design forms. Students will create original
designs for juried competitions and/or gallery exhibitions. May be
repeated to a maximum of six (6) semester hours.
COT 5775. Advanced Computer Applications in
Apparel Design (3–4).
Prerequisites: COT 3734, 3742. This course is designed
as a tool to conceptualize and create original artwork, patterns,
and markets.
COT 5805. Current Trends in Fashion Merchandising
(3).
Prerequisites: Economics, marketing, psychology.
Provides an opportunity to research, discuss, and analyze
trends and current topics in the retail apparel industry.
COT 5807. Retail Merchandising Concepts (2–4).
Prerequisites: MAC 1105, MGF 1106, or MGF 1107.
This course is designed to provide graduate students an overview
of retailing as a business and service. The course will help
students to achieve a better understanding of retailing and
develop an understanding of the retail consumer. Students will
also be exposed to retail management and marketing.
COT 5815. Retail Technologies (3).
Depth study of the principal retail technologies and systems currently
being developed and used for retail management and
for global supply chain management. May be taken once as a
registration class, with permission of the instructor.
COT 5816. Merchandising Organization (3).
Prerequisites: COT 4822; MAR 3023, or their equivalents.
Synthesis of skills in management concerning retail organizations
and an emphasis on merchandising and retail
operations.
COT 5828. Merchandising Buying (3).
Prerequisites: COT 4822, MAR 3023, or their equivalents.
Theories of retail buying with emphasis on the buyers
management role.
COT 5833. Family-Owned Businesses: Issues and
Trends (3). Issues resulting from the interaction between a
family and the business that is owned by that family. Guest
teachers include family business owners, bankers, accountants,
lawyers and government officials who deal with family
businesses.
COT 5834. Merchandising Theory and Research (3).
Prerequisite: Merchandising or retailing coursework. Course
focuses on theories utilized in merchandising, including
merchandising, and the use of these theories in
research.
COT 5884. Advanced Fashion Merchandising Practi-
cum (4).
Prerequisites: Graduate standing in merchandising; completion of fifteen (15) hours of graduate coursework including COT 5816, 5828 or equivalent.
Professional development through practical experience in retail
merchandising.
COT 5906r. Directed Individual Study (1–3).
May be repeated to a maximum of six (6) semester hours.
COT 5911. Research Techniques in Fashion and Textiles (3).
Analysis and interpretation of research in textile and
consumer sciences. Principles of quantitative and qualitative
research, and primary and secondary sources, including
methods of research.
COT 5912. Supervised Research (1–3).
Credit may be repeated to a maximum of three (3) semester
hours.
COT 5930r. Clothing and Textiles Seminar (1). Exploration
of current research in textiles and consumer sciences. May
be repeated to a maximum of twelve (12) semester hours.
COT 5942r. Supervised Teaching (1–3). (S/U grade only.) May be repeated to a maximum of three (3) semester
hours.
COT 5945r. Museum Studies Internship (1–6).
Prerequisites: COT 3515 or COT 3516. Internship at an institution
approved by the Museum Studies program. The emphasis must
be on historical clothing, textiles, or accessories. The experience
provides an opportunity to apply and expand knowledge in areas
of museum studies such as storage, display, education, publication, and
management. May be repeated to a maximum of six (6) semester
hours.
COT 5971r. Thesis (1–6). (S/U grade only.) The minimum number of
thesis hours for completion of a master’s degree is six (6).
COT 6900r. Readings in Clothing, Textiles, and
Merchandising (1–3). (S/U grade only.) May be repeated to a maximum of six (6) semester hours.
COT 6932r. Clothing and Textiles Seminar (1). Exploration
of current research in textiles and consumer sciences. May
be repeated to a maximum of twelve (12) semester hours.
COT 6936r. Special Topics in Clothing/Textiles/
Merchandising (3). An advanced study of selected topics in
textiles, merchandising, or apparel product development
with emphasis on problem analysis and resolution. May be
repeated to a maximum of twelve (12) semester hours.
COT 6980r. Dissertation (1–24). (S/U grade only.) May be repeated to a maximum of twenty-four (24) semester
hours.
COT 8964r. Preliminary Doctoral Examination (0).

THEATRE

SCHOOL OF THEATRE

Chair: C. Cameron Jackson; Professors: Chappell, Dahl, Jordan, Judy, Muscha, Redmond, Richey, Simmons, Wallace; Associate Professors: Cooper, Gelabert, Hogan, Leahy, Lickson, Steger; Assistant Professors: Archbold, Coleman, Edmondson, Gonzalez, Hale, Sandahl; Burt Reynolds Eminent Scholar Chair in Theatre: Medoff; Hoffman Eminent Scholar Chair in Theater: TBA; Professor Emeritus: 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 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 acting, directing, scene design, costume design, lighting design, technical theatre, or theatre management. The doctor of philosophy (PhD) in theatre is a research degree that indicates the perfection of individual skills in theatre scholarship, production, and education.

For complete details of degree requirements, please refer to the graduate bulletin or contact the School of Theatre Office.

Definition of Prefixes

THE — Theatre Studies and General Resources
TPA — Theatre Production and Administration
TTP — Theatre Performance and Performance Training

Graduate Courses

THE 5084r. Theatre Problems (3). Topics change each semester depending upon instructor. May be repeated to a maximum of six (6) semester hours.
THE 5119. Masters of Modera Drama (3). This course is a comprehensive study of the history and dramatic literature of the modern theatrical era.
THE 5210. Advanced Theatre History I: Classical and Medieval (3). This course examines the origins of theatre, Classical Greece and Rome; Japanese Kabuki/Noh/Bunrak; Medieval Europe.
THE 5310. Advanced Theatre History II: Renaissance and 18th Century Drama (3). This course addresses Neoclassicism, Elizabethan Jacobean, Spanish Gold Age, Restoration, Decline of Neoclassicism, and Germany.
THE 5510. Advanced Theatre History III: 19th and 20th Centuries (3). Topics in this course include Romanticism, Realism, Modernism, Postmodernism, and Postcolonialism. This course traces the development of the musical from its European origins to 1943. Students establish familiarity with a wide range of the repertoire of the earlier musical theatre.

THE 5247. Musical Theatre History II (3). The development of the American musical, in its cultural, theatrical, and social context, from 1943 to the present is examined in this course. It is intended as a comprehensive study of the crafts and ways these elements are used in different types of musicals in various periods are explored.
THE 5265r. Musical Theatre History I (3). Prerequisite: THE 4260. Advanced study of selected periods of costume history and its relationship to the theatrical costume. Periods covered will include both western and nonwestern dress. May be repeated to a maximum of six (6) semester hours.
THE 5273r. Seminar: Selected Topics in History of Performance (Acting and Directing) (3). Prerequisite: Two undergraduate theatre history courses or consent of instructor. Selected topics related to the history of acting and directing from the ancient Greeks to modern American theatre. May be repeated once for credit with new content to a maximum of six (6) semester hours.
THE 5274. Seminar: Theory and History of Directing (3). Study of the art of directing the stage, from theoretical and historical viewpoint. May be repeated once for credit with new content to a maximum of six (6) semester hours.
THE 5371r. Seminar: Selected Topics in Dramatic Literature and Dramaturgy (3). Prerequisite: Two undergraduate theatre history courses or consent of instructor. Selected topics relating to dramatic literature and theatrical practice. May be repeated once for credit with new content to a maximum of six (6) semester hours.
THE 5372. Seminar: Gender, Race, and Performance (3). An advanced introduction to the contemporary theories and practices that have informed the stage in a rapidly changing world and everyday life. Utilizing feminist theories of performance production, students will read playtexts written by women of color, by white women, and by one African-American male.
THE 5389. African Theatre and Performance (3). Through an exploration of precolonial performance traditions, written and corporeal, the course examines the cultural and political complexities of selected countries of sub-Saharan Africa.
THE 5485. GraduateDRAMATURG (3). An exploration of the issues in Shakespearean scholarship relevant to performance, including those related to text, criticism, and cultural contexts of the plays.
THE 5486. Graduate Dramaturgy (3). An introduction to the principles of dramaturgy, including preparation of a dramaturgal script, preparation of scripts for production, and research into background, biography and thematic issues of a play script.
THE 5506. Seminar: Dramatic Theory and Criticism (3). A study of theatrical forms and ideas from the emergence of Romanticism in France to the American theatre of the 1960s. Writers such as Ibsen, Chekhov, Jarry, Brecht, Artaud, Genet, and Grotowski are studied in their historical and aesthetic contexts.
THE 5541. Dramatic Literature: The Tragic Dramatic Form (3). Exploration of theories of tragedy; applications of theoretical frameworks to script analysis and performance. Theories of writers such as Aristotle, Horace, Dryden, Nietzsche, Sartre, Frye, and other texts in modern and traditional theatres.
THE 5542. Seminar in Theatrical Theory: The Comic Dramatic Form (3). An exploration of theories of comedy and practice; applications of theoretical frameworks to script analysis and performance. Theories of writers such as Bergson, Freud, Langner, and they are applied to classic and modern comedies.
THE 5776. Theatre History and Literature I for Theatre Educators (3). Explores the staging practices and dramatic literature of classical Greece and Rome, medieval Europe, the Renaissance, 18th-century Europe, and classical Japan. The course traces the plays in performance in both historical and modern contexts.
THE 5771. Theatre History and Literature II for Theatre Educators (3). Explores the staging practices and dramatic literature from the 18th-century to the present. Specific units include romanticism, melodrama and popular culture, the rise of realism, avant-garde theatre movements, the musical, European and American innovations 1960s–1990s, and contemporary dramatic theory.
THE 5765. Performance I for Theatre Educators (3). Literature and instruction in the crafts of acting and directing through a variety of practical exercises. At completion, students should be able to demonstrate the skills and abilities to guide their own students in the basics of acting and directing.
THE 5772. Theatre History and Literature III for Theatre Educators (3). This course works to familiarize the students with a wide range of contemporary plays and situate the plays in the sociopolitical contexts in which they were produced. Although plays from various world cultures will be read, the course emphasizes multicultural dramatic literature of the United States.
THE 5905r. Directed Individual Study (1–3). (S/U grade only.) May be repeated to a maximum of twelve (12) semester hours.
THE 5910. Theatre Bibliography and Research (3). The basic graduate course designed to introduce the student to library resources, methods, and the reporting of research in the field of theatre. May be repeated to a maximum of twelve (12) semester hours.
THE 5916r. Supervised Research (1–5). (S/U grade only.) May be repeated to a maximum of five (5) semester hours. A maximum of three (3) hours may apply to the master’s degree.
THE 5918r. Thesis Tutorial (1–3). (S/U grade only.) Prerequisite: graduate student in theatre only. Selected topics in theatre. May be repeated to a maximum of six (6) semester hours.
THE 5925. Writing Workshop (1–3). (S/U grade only.) The writing workshop is intended for graduate students to analyze and critique papers for publication and conference presentation. May be repeated to a maximum of twelve (12) semester hours.
THE 5927r. Graduate Theatre Laboratory (2). (S/U grade only.) Practical work in publicity, management, scenery, costumes, and stage management. May be repeated to a maximum of six (6) semester hours.
THE 5940r. Internship in Theatre (2–12). (S/U grade only.) Prerequisite: Consent of appropriate committee. Residency internship in an approved professional theatre shop or production. May be repeated to a maximum of twelve (12) semester hours.
THE 5943r. Supervised Teaching (1–5). (S/U grade only.) Prerequisite: graduate student in theatre only. May be repeated to a maximum of five (5) semester hours. A maximum of three (3) semester hours apply to the master’s degree.
THE 5971r. Thesis (3–6). (S/U grade only.) Six (6) semester hours credit required.
THE 5973r. Creative Thesis (3–6). (S/U grade only.) MFA candidates only. May be repeated to a maximum of nine (9) semester hours. Six (6) semester hours credit required.
THE 6531. Methods of Theatre Criticism (3). A study of major genres of theatrical criticism with focus on twentieth-century movements. The seminar is designed to aid not only dissertation analysis but also performance criticism and production work.
THE 6915. Doctoral Research Potential (0). (S/U grade only.) Introduction to research possibilities within various sub-disciplines. Not for credit toward a Ph.D.
THE 7690r. Dissertation (1–12). (S/U grade only.)
THE 8216r. Doctoral Qualifying Examination (0). (P/F grade only.)
THE 8964r. Preliminary Doctoral Exam (0). (P/F grade only.)
THE 8966r. Master's Comprehensive Examination (0). (P/F grade only.) Normally taken the last semester of course work.
THE 8976r. Thesis Defense (0). (P/F grade only.)
THE 8977r. Thesis Defense (0). (P/F grade only.)
THEO 6938r. Proseminar in Home Economics (1). (S/U grade only.) Doctoral students only. Repeatable up to a maximum of two (2) semester hours.

HHD 5917r. Thesis (1–6). (S/U grade only.) A minimum of five (5) semester hours is required for the master’s degree.
HHD 8966r. Master’s Comprehensive Examination (0). (P/F grade only.)
HHD 8976r. Master’s Thesis Defense (0). (P/F grade only.)
HHD 8977r. Thesis Defense (0). (P/F grade only.)
HHD 8978r. Thesis Defense (0). (P/F grade only.)
HHD 8979r. Thesis Defense (0). (P/F grade only.)
HHD 8980r. Thesis Defense (0). (P/F grade only.)
HHD 8981r. Thesis Defense (0). (P/F grade only.)
This course consists of A further Familiarizes the theatrical This course encom A studio course introduc Emphasis is on understanding, This course is an overview of the lighting design process for a variety of spaces from concept to finished product. Effect is on script analysis. Consent includes instruction in the creation and use of paperwork, as well as practical aspects of lighting for both proscenium and non-presence venues.

Lighting Design II (3). This course encompasses lighting design for a variety of production styles such as musicals, opera, dance, comedy and tragedy. This course includes an exploration of various techniques and systems. Students will gain experience in constructing most of the elements closely associated with models such as: design software, hand renderings, techniques for theatre, space, and light. This course includes an introduction to the principles and techniques of traditional two-dimensional techniques. The advanced exploration of various millinary techniques. Includes the blocked, constructed buckram, straw, and wire frame headgear, with a special emphasis on millinery patterning from both renderings and historical research.

Lighting Design V (3). The content of this course centers on non-theatrical lighting, including tours, industrial, environment, as well as cross-disciplinary projection, sound and video. Emphasis is on how the implementation of this technology affects design approaches.

Scene Design Theory and Practice (3). This course centers on non-theatrical lighting, including tours, industrial, environment, as well as cross-disciplinary projection, sound and video. Emphasis is on how the implementation of this technology affects design approaches.

Prerequisite: TPA 4040, 4071. This course explores various rendering software programs. No prior knowledge of computer-aided design is necessary. Significant individual work is required. This course will enable the student to develop an understanding of computer rendering techniques for the costume designer and rendersers. There is an emphasis on script analysis and digital portfolios.

TPA 5280r. MFA Practicum in Technical Theatre (2-15). Prerequisite: Consent of instructor. Opportunity to develop skills necessary for the safe design and construction of stage scenery and properties for theatre. May be repeated to a maximum of sixty (60) semester hours.

TPP 5284r. MFA Practicum in Acting (1–15). Prerequisite: Consent of instructor. Opportunity to develop skills necessary for the safe design and construction of stage scenery and properties for theatre. May be repeated to a maximum of sixty (60) semester hours.

TPP 5145r. Acting Techniques I (3). Prerequisite: TPP 4310, 4311; and/or consent of instructor. Advanced directing scene work for the specialist. This course is designed to help the student develop a comprehensive understanding of skills and practices in different areas of theatre management and to develop research and presentation skills. May be repeated to a maximum of twelve (12) semester hours.

TPP 5287. Advanced Costume Patternmaking (3). Prerequisite: TPP 4239 or permission of instructor. This course examines various methods of designing and constructing costumes. May be repeated to a maximum of twelve (12) semester hours.

TPP 5380r. Audience Development and Arts Marketing (3). Prerequisite: TPP 4400 or instructor approval. Course provides an overview of marketing and development for arts organizations. Specifically develops skills in strategic marketing, planning, budgeting, media planning, graphics and layout concepts, writing from a marketing and sales perspective and public relations.

TPP 5470r. MFA Practicum in Directing (2–15). Prerequisite: Consent of instructor. Opportunity to develop skills necessary for the safe design and construction of stage scenery and properties for theatre. May be repeated to a maximum of sixty (60) semester hours.

TPP 5490r. Directed Individual Study (1–3). (SU grade only.) May be repeated to a maximum of twelve (12) semester hours.

TPP 5516r. Movement I (3). Emphasis on understanding through, experience, how the voice is produced. Seeks to isolate and remedy personal obstacles hindering free release of
## The Field of Planning

While traditionally organized to coordinate the physical layout of cities, the profession of Urban and Regional Planning has grown to encompass all aspects of the systematic development of human settlements, including the use of land, protection of the environment, economic productivity, and the future allocation of physical and social public resources. Major changes in the field occurred during the middle twentieth century. In response to the Great Depression of the 1930s, the federal government embarked upon an expanded program of national economic planning, setting precedents for vastly increased federal activities in social and economic programming. During the post-WWII era, rapid population growth and suburbanization stimulated a concern for increased urbanization, the organization of metropolitan areas, and the decaying core of inner cities. In the 1960s and early 1970s, the focus shifted to these inner cities, with increasing attention given to problems of race, housing, poverty, and social equity. The 1970s and 1980s witnessed an increasing environmental consciousness and significant new programs and policies aimed at preserving and enhancing the natural environment, along with increasing concern for economic development, the coordination of public and private developing efforts, and efforts to work with decaying infrastructure. The 1990′s featured increased attention to the impact of globalization on the theory and practice of planning.

Today, the field is a diverse one, incorporating the many issues developed over the past decades and expanding to include new areas of concern. This is resulting in the establishment of new priorities and the emergence of new policy directions, including attention to job growth, global competitiveness, environmental sustainability, human service delivery systems, affordable housing, access to health services, and the provision and financing of roads, infrastructure, and public services.

## The Department of Urban and Regional Planning

The Department of Urban and Regional Planning was created in 1965 in response to both the growing national demand for persons trained in planning, urban affairs, and policy analysis, and the rapid population and economic growth occurring within the Sunbelt. Florida has been one of the fastest growing states in the nation. This growth has raised important issues about land development, housing, transportation and infrastructure, environmental protection, health care, and others, and the state has adopted a comprehensive series of laws that mandate planning at all levels of government. This has put Florida in the forefront of the national planning movement and has provided the department with a strong, exciting, and supportive environment within which to offer a professional program.

The department offers the following degree programs: master of science in planning (MSP), doctor of philosophy (PhD), dual degrees in planning and law (MSP/JD), planning and international development (MSP/MA), and planning and public administration (MSP/MPA). Because of the breadth and diversity of the field, graduate study is considered essential for assuming professional positions and for advancing within the profession. The “standard” professional degree is the master’s degree, and master’s graduates in planning now hold the overwhelming majority of planning positions. The doctoral degree serves as preparation for academic, research, or high level policy and administrative positions. The dual degree programs prepare professionals to work in positions at the nexus of their component professions.

All of the programs respond to the educational challenge of recognizing the breadth and diversity of the field and, at the same time, providing students with training in the common aspects, concerns, and approaches of the field. They offer the student an opportunity to study the central core of knowledge that is common to all planning activities and to develop specialized knowledge in particular fields of concern and issue areas. Graduates of the programs are equipped to function both in generalist and specialist roles and to adapt to new challenges as the nature of the issues and preferred policy responses change. The master’s degree program is accredited by the Planning Accreditation Board.

The department is located in the state capital, thereby offering students opportunities for interacting with the central executive, legislative, and judicial offices of the state. The school maintains close ties with state, regional, and local planning agencies, the state legislature, and the governor’s office. These agencies provide substantial support to the department in the form of internships and field placements, data and research reports, visiting lecturers and adjunct faculty, and permanent employment positions.

Students come from across the nation and from many foreign countries and U.S. territories. Women and persons of color are well represented. Student backgrounds are highly diverse.
diverse; many come from the social sciences, engineering, architecture and the design arts, social work, or the physical sciences. While we are not indifferent to student backgrounds, the program is able to accommodate students from a wide variety of fields and careers that are relevant to the issues addressed by the planning field. The total number of graduate students in residence at any time averages about 80. With 11 permanent faculty, plus adjunct instructors, this produces a favorable faculty–student ratio. At the same time, the department is sufficiently large to reflect the diversity of the field and to allow students the opportunity to study a number of different problem and policy areas.

Over 1000 students have graduated from the department’s graduate programs. These graduates are now employed in 48 states and territories and 23 foreign nations as professional staff in private consulting firms; for major developers; in law firms, universities, research organizations, business, and industry; and in local, state, regional, and national governments.

Master’s Program

The principal aim of the master’s program is to train students for professional careers in planning, allowing them to function in both generalist and specialist roles. The program consists of forty-eight (48) semester hours of course work organized into the following curriculum components:

Core curriculum: twenty-one (21) semester hours;
Elected specialty area: twelve to fifteen (12–15) semester hours;
Internship: zero to six (0–6) semester hours;
Capstone requirement: Three to six (3–6) semester hours; and
Electives: remainder.

Core Curriculum

URP 5101 Planning Theory and Practice (3)
URP 5125 Plan Implementation (3)
URP 5201 Methods of Planning Analysis I: Research (3)
URP 5211 Methods of Planning Analysis II: Statistics (3)
URP 5222 Analysis for Planning Decisions (3)
URP 5261 Methods of Planning Analysis III: Plan Development (3)
URP 5847 The Growth and Development of Cities (3)
URP 5930r Professional Topics in Urban and Regional Planning (0)

Specializations

The department currently offers five specializations. They are:

- Growth management and comprehensive planning;
- Planning for developing areas;
- Environmental planning and natural resource management;
- Housing and community development; and
- Transportation planning.

All specializations are composed of two to three required courses and one to two electives chosen from a specified list. Students are encouraged to design and pursue alternative specialization programs that respond to their particular areas of professional interest and career goals.

In addition, all students have the opportunity to take coursework in microcomputer applications for planning, including geographic information systems (GIS). Both the geography and urban and regional planning departments offer GIS coursework. GIS is supported in a 20 station College of Social Sciences lab. General microcomputer applications (including spreadsheet statistical software, and word processing) are supported in an eight station department lab, the department’s planning studio facility, and the College of Social Science’s 30 station lab.

Internship

Experience in the field is an important aspect of professional education. The department requires all students to be employed in a planning or planning-related agency for the equivalent of thirty-six (36) semester hours. Most students satisfy this requirement with full-time employment during the summer between the two academic years; others work part time during the school year.

Capstone Requirement

Students are required to complete a capstone research paper, project, or master’s thesis in their last semester. Under the research paper option, the student prepares a paper on a topic of professional interest, addressing the topic in a professionally competent manner. This option is pursued as three (3) semester hours under URP 5910, Directed Individual Research.

Under the project option, students pursue work on an aspect of a larger professional topic undertaken for a client and completed within the context of a planning group. This option is completed under URP 5342, Advanced Planning Problems, for three (3) semester hours.

The master’s thesis option requires the completion of a major paper that is of both professional and academic interest. This option is completed under URP 5971, Thesis, for six (6) semester hours.

Typical Master’s Program

The components of the master’s program can be organized into a “typical” curriculum as follows:

- Fall, First Year: URP 5101 (core), URP 5125 (core), URP 5211 (core), URP 5847 (core), URP 5930 (zero [0] hours);
- Spring, First Year: URP 5201 (core), URP 5261 (core), specialty or elective, URP 5930 (zero [0] hours);
- Summer: internship;
- Fall, Second Year: URP 5222 (core), specialty or elective, specialty or elective;
- Spring, Second Year: research paper/project/thesis, specialty, specialty, specialty or elective;
- Fall, Third Year: URP 5241 (core), specialty or elective, specialty or elective, URP 5930 (zero [0] hours);
- Spring, Third Year: URP 5281 (core), specialty or elective, specialty or elective, URP 5930 (zero [0] hours);
- Summer: internship;
- Fall, Fourth Year: URP 5222 (core), specialty or elective, specialty or elective;
- Spring, Fourth Year: research paper/project/thesis, specialty, specialty, specialty or elective.

Dual Law-Planning Degree Program

The Department of Urban and Regional Planning and the College of Law offer a dual degree program that allows students to qualify for both the master’s of science in planning and the juris doctor degrees in substantially less time than would be necessary to achieve each independently. Total semester hours required are one hundred eleven (111), of which thirty-three (33) are taken in planning and seventy-eight (78) in law.

Applicants to this program must meet the separate admission requirements of each unit, including satisfactory performance on the GRE for admission to planning and satisfactory performance on the LSAT for admission to law. Applicants to the MSP/JD dual degree program should make formal application through the admissions office of both the Department of Urban and Regional Planning and the College of Law using the dual degree program’s unique major code (313415). Students enrolled in JD studies may make application to the MSP program, but only after completion of their first year.

Students enrolled in the dual degree program pursue both degrees concurrently, spending their first year in full-time coursework in either unit, and the second year in the other. Thereafter, a mixture of coursework from both units should be followed. Students who begin their program by taking their first year of courses in planning must complete a minimum of nine (9) additional semester hours of planning courses subsequent to the completion of the first year of law.

Dual degree students need not select a planning specialization (in effect, law becomes their specialization), but they must continue to meet all other requirements for the planning degree, including the internship and the capstone project. The Department of Urban and Regional Planning will award the MSP degree only if the student’s cumulative grade point average in MSP degree courses is 3.0 or higher. This requirement is in addition to, and does not replace, any other University or departmental academic standing requirements. A member of the law faculty replaces one member of the urban and regional planning faculty on the advisory committee for the capstone project.

Dual Planning and Public Administration Degree Program

The professions of planning and public administration are intertwined in numerous ways. Many positions in government can best be filled by persons who possess the knowledge and skills of both administrators and planners. Planners in local governments often aspire to become administrators of governments and planning organizations. Conversely, administrators, especially in rapidly growing governments, may be hampered if they cannot exercise the skills necessary to frame plans.

Very few persons achieve professional competence in both fields. Those who do possess substantial career flexibility and attractiveness to prospective employers. The dual degree program at The Florida State University is one of only a handful in the nation. It permits the mastery of core knowledge and skills in both areas in three years or less, instead of the four years or more that would otherwise be required. It does so by eliminating duplicative coursework in analytical methods and general electives.

Applicants to the MSP/MPA dual degree program should make formal application through the admissions office of either the Department of Urban and Regional Planning or the School of Public Administration and Policy using the dual degree program’s unique major code (327777). A full photocopy of all application materials should be sent to the second unit’s admissions office simultaneously. To be admitted to the dual degree program, each of the two units must separately admit the applicant to its respective degree program. Those currently enrolled in either degree program, and who have not completed twenty-
four (24) semester hours of study, may apply to the second department. Admission to that department shall constitute admission to the dual degree program.

Total degree hours required for the dual degree is sixty-six (66). The student completes the core course requirements of each degree with these exceptions: the student completes either URP 5201 and URP 5211 or PAD 5700 and PAD 5701; the student completes either URP 5222 or PAD 5035. The student selects and completes both an urban and regional planning specialization and a public administration concentration. A single internship meeting the requirements of both degrees is required. A single capstone/action paper meeting the requirements of both degree programs is completed under either URP 5910 or PAD 6908 and with the direction of a committee consisting of faculty from each of the units. It is expected that the student will complete the internship in one unit and the capstone/action paper in the other.

Each of the two units will award a degree only if the cumulative grade point average for courses with that unit’s prefix is 3.0 or higher. This requirements is in addition to, and does not replace, the requirements of the university or departmental academic requirements.

It is expected that the student will spend two semesters of full-time study in each department, and then divide remaining coursework between the two departments. Departmental advisors will provide guidance on the proper sequence of courses and program. Students who attend one semester of summer school and who complete the internship requirement the second summer be able to complete all degree requirements in two and one-half calendar years.

**Peace Corps Master’s Internationalist Program**

The rate of urbanization is much more rapid in developing than developed areas. The Master’s International Program at FSU is designed to ensure a steady stream of volunteers for the planning of these rapidly growing urban areas. Courses cover the legal and institutional context in which urban planning takes place, as well as strategies such as regional economic development, microenterprise development, housing and infrastructure, and capacity building particularly among non-governmental organizations.

Students develop skills in the preparation of development plans, in the design, management and implementation of development projects, and in participatory planning and research. Students are also encouraged to take courses in one or more of the other specializations in the department, namely housing and community development, transportation, comprehensive planning and land use, environmental planning, and health planning.

MIP students will take the full sequence of core courses required for the MSP degree with a specialization in Planning for Developing Areas. However, in recognition of the extensive training received during Peace Corps training in local language and cultural aspects of the host country, MIP students will be permitted to complete 42 credit hours instead of the standard 48 credit hours. During their first year of courses MIP students must take URP 5610 Introduction to Planning for Developing Areas and URP 5616 Project Planning in Developing Areas to prepare them for Peace Corps service.

After finishing their first year of course work, MIP students are placed as Peace Corps Volunteers in a developing countries position to work with local planners and administrators on problems of urban development, or to help governments fill the gap between government services and local needs. Upon completion of their two year Peace Corps service MIP students will return to Tallahassee to complete their degree requirements with at minimum of one more semester of courses. At this time, if students wish to change their specialization, they are free to do so, though this may require a slightly longer stay in Tallahassee.

Students in the MIP may choose to do a master’s paper for their capstone requirement based in part on their experiences in Peace Corps. Students who wish to pursue this option should discuss this carefully with their advisor prior to departing for their Peace Corps service. However, if students prefer they may complete a studio project under the supervision of departmental faculty to complete their capstone requirements once they return to Tallahassee.

The benefits of this program include:
- Peace Corps training provides a six credit reduction in both required for graduation and Peace Corps service fulfills the departmental internship requirement
- Peace Corps offers the international experience needed to obtain employment in a developing country
- Peace Corps service provides US Government non-competitive eligibility for returning volunteers

**Certificate in Urban Design**

The department offers a graduate certificate in urban design that prepares professionals that are conversant in both design and planning languages and are able to devise, implement and communicate physical plans and policy to a diverse group of stakeholders. The certificate provides students with instruction in the history and theory of urban design, visualization techniques, and physical planning skills and application.

The certificate program is open to both FSU graduate matriculates and to non-matriculates studying under special graduate student status. Applicants may be, but are not required to be, currently pursuing the master’s or PhD degrees in urban or regional planning. Those pursuing the MSP or PhD degrees, or other graduate degrees at FSU, must be in good academic standing to be admitted. There are no requirements for current FSU graduate degree students other than good academic standing. Non-matriculated applicants must satisfy the following requirements:
- Applicants must hold a bachelor’s degree from an accredited institution of higher learning in the United States or the equivalent from an institution abroad.
- No specific major is required.
- The minimum criterion to be considered for admission is a grade point average (GPA) of 3.0 or higher for previous study or a combined verbal and quantitative score for the Graduate Record Exam (GRE) of 1000.
- Applicants whose native language is not English and who have not received a degree from a college or university in an English-speaking nation also must submit an official transcript of the Test of English as a Foreign Language (TOEFL). A minimum TOEFL score of 213 (computer-based) or 550 (paper-based) is required for an applicant to be considered for admission.

To complete the certificate, students are required to complete eighteen (18) semester hours of class work in the following areas: comprehensive planning and growth management, real estate development, real estate investment, and land use planning, transportation and development, market analysis, and investment and development. A project seminar in real estate development is required for certificate.

**Dispute Resolution Minor**

The dispute resolution minor provides an opportunity for MSP students to develop expertise in dispute resolution in conjunction with their professional planning studies. The minor is expected to assist public policy communities in reaching consensus and helping stakeholders in the planning system to resolve impasses. It is a complement (not a replacement) of a degree specialization. PhD students in urban and regional planning may use the dispute resolution minor to advance scholarly interests in policy consensus building or stakeholder participation. For doctoral students, the minor is an addition to other degree requirements.

Only admitted, degree-seeking students in the master of science in planning (MSP) or PhD in urban and regional planning programs are eligible to elect the minor. Matriculated MSP students indicate their intent to pursue the dispute resolution minor by memorandum to the MSP program director. This memo must
be approved by the student’s major professor and the department’s dispute resolution minor advisor. Matriculated PhD students indicate their intent to pursue the dispute resolution minor by incorporating it in their program statement which must be approved by the student’s supervisory committee. Students electing the minor are expected to seek advice and to have their course planning approved by the department’s dispute resolution minor advisor.

To earn the dispute resolution minor in conjunction with a Master's or PhD degree in urban and regional planning, students must complete at least twelve (12) semester hours of dispute resolution coursework. A list of these courses can be obtained from the department’s dispute resolution minor advisor. At least nine (9) hours must be taken outside the Department of Urban and Regional Planning.

A MSP student may complete these requirements along with all other MSP program requirements within the minimum forty-eight (48) semester hour requirement. Depending on specialization, doing so may require that one dispute resolution course be acceptable as a specialization elective. PhD students may or may not be able to complete the minor within the forty-two (42) semester hours of required doctoral coursework, depending on other aspects of the chosen program. To ensure effective choices among the options, students should discuss their proposed program with their major professor and with the URP dispute resolution minor advisor early in their studies.

Dual Planning and International Affairs Degree Program

Because of the department’s strong interest in preparing students for careers in international development, the faculty created the Dual Planning and International Affairs Degree Program. It is one of very few programs in the nation to combine strengths in these two fields. Students completing this program of study will earn the MSP degree in urban and regional planning and the MA or MS in international affairs. The dual degree program can also be combined with the Peace Corps Master’s Internationalist program.

Applicants to the MSP/MS or MA in International Affairs should make formal application through the admissions office of either the Department of Urban and Regional Planning or the International Affairs Program using the dual degree program’s major code (327779). A full photocopy of all application materials should be sent to the second unit’s admissions office simultaneously (DSU). To be admitted to the dual degree program, each of the two units must separately admit the applicant to its respective degree program. Those currently enrolled in either degree program and who have not completed twenty-four (24) semester hours of study may apply to the second unit. Admission to that unit shall constitute admission to the dual degree program.

Total degree hours required for the dual degree program is sixty-seven (67) or sixty-eight (68) depending on whether the student selects the thesis or non-thesis (international studio) option. Each of the two units will award a degree only if the cumulative grade point average for courses taken to meet the degree requirements of each unit is 3.0 or higher. The student completes the core course requirements of each degree, and then selects an urban and regional planning specialization. All students complete an internship of 10 weeks full-time (or part-time equivalent) in a planning or international affairs related agency of their choosing. They should have planning or public policy-related content. A single capstone course meeting the requirements of both degree programs is completed under either master’s theses courses URP 5871 or INR 5971 or capstone studio course URP 5342. Students in the dual degree program do not have the option of completing comprehensive exams to satisfy the capstone requirement. Students taking the studio option must take a studio with an international planning emphasis and also take three hours of directed individual study (INR 5906) related to the studio.

The student will take courses in at least two other departments participating in the International Affairs program.

The student must also fulfill the requirement for a focus on developing countries. If the student takes the Planning for Developing Areas specialty, this will fulfill the developing areas focus, but if the student opts for a different specialization in Urban and Regional Planning, s/he will need to take three other International Affairs courses to fulfill this requirement. All students must satisfy the foreign language requirement for a Master of Arts degree even if they choose a Master of Science degree. Proficiency may be demonstrated by satisfactory performance on the Graduate School Foreign Language Tests of the ETS, by certification by the language department, by taking twelve hours of language with an average grade of B, or four years of language in high school. Up to six hours of graduate level courses in a foreign language may be used to fulfill the degree requirements as International Affairs electives.

Doctoral Program

The Ph.D. program in urban and regional planning seeks to educate highly qualified students who wish to pursue careers in research and teaching concerned with urban and regional systems, planned change, and the enhancement of the ability of society to deal effectively with the future. Florida State doctoral students are oriented toward critical evaluation of existing knowledge and the development of new knowledge for public policy purposes. The degree program has five key components: the qualifying examination; the program statement; coursework in theory, methods, and application; the preliminary examination; and the dissertation.

The doctoral program is a highly individualized program of study, developed under the direction of a faculty supervisory committee, and ordinarily requiring three years of study post-master’s degree.

Qualifying Examination

Before beginning actual doctoral study, the student must demonstrate competency in the core areas of the master’s program by either taking core courses or demonstrating competency in them. How the student demonstrates competency in a core course is decided in consultation between the student and the faculty member teaching each core course. However, demonstrated competency in the core courses constitutes passing the qualifying exam, which qualifies the student for doctoral studies.

Program Statement

The content of each student’s program of study is tailored to the objectives and needs of the student and is specified in a program statement that the student prepares in consultation with a major professor and a doctoral committee assembled during the first semester of study. The program statement specifies the academic objectives of the student and the areas of theory, methods, and applications necessary to achieve those objectives. Because each student’s needs are unique, it is unlikely that new doctoral students will follow exactly in the path of earlier doctoral students or each other.

Coursework

Doctoral coursework includes a minimum of 42 semester hours of study, including at least 21 hours of theory courses, 9 hours of intermediate or advanced methods courses, and 12 hours of application courses. These courses include four courses required of all doctoral students:

- URP 6102: Seminar in Planning Theory
- URP 6202: Design of Policy Oriented Research
- URP 6846: Seminar in Urban Theory
- URP 6847: Seminar in Regional Theory

With appropriate departmental approval, students in the master’s program in urban and regional planning may apply up to eighteen (18) semester hours of course work (exclusive of the core curriculum) to the doctoral program.

Preliminary Examination

Upon completion of courses, the student takes his or her Preliminary Examination which is a set of written and oral exams in the areas of planning theory, urban and regional theory, research methods, and applications set forth in the student’s program statement. The Preliminary Examination normally spans a two-week period.

Dissertation

Upon passage of the Preliminary Examination, the student is advanced to candidacy and prepares a dissertation. The dissertation’s scope is specified in the prospectus approved by the student’s supervisory committee. The prospectus may include a statement of the problem that the student is addressing, a discussion of the literature pertaining to that problem, a set of hypotheses that the student intends to test, and a research design for testing the hypotheses. Once the prospectus is approved, the student carries out the research design and completes the dissertation, defending it publicly prior to graduation.

Admissions and Financial Aid

Application for admission is usually made for the Fall term. Because of the sequencing of courses, admission for Fall is preferable, but applications are considered for Spring term admission as well. No students are admitted for first enrollment in the Summer term. The deadline for receipt of all materials for admissions applications is March 1 for Fall admission and September 15 for Spring admission. Earlier deadlines apply for financial aid candidates and for applications from non-U.S. students, however. Financial aid applicants applying for Fall
admission must submit all materials by January 15th. The deadlines for non-U.S. students are described below. Persons applying after the appropriate deadline will be considered on a space-available basis only.

Applications for admission to the MSP program are welcomed from persons holding a bachelor’s degree from an accredited institution of higher learning in the United States, or the equivalent from an institution abroad. No specific major is required, but persons contemplating planning graduate study are encouraged to earn their undergraduate degree in the humanities (including English or history), a social science (including economics, geography, political science or sociology), or a design profession (including architecture or engineering). Other majors may be appropriate for persons who intend to specialize in particular fields, such as natural or physical science (biology, chemistry, or geology) for environmental planning, a business major (real estate or finance) for housing, economic development or growth management.

Applications for admission to the doctoral program are welcomed from persons holding a graduate degree in planning, urban studies, environment, or related fields. Persons with graduate work outside of these areas will also be considered, but, depending on qualifications and previous preparation, may be required to undertake additional graduate coursework prior to beginning doctoral work. Master’s students currently enrolled in the department may apply for admission to the doctoral program and be admitted after having completed substantially all of the coursework required for the master’s core and an elected specialty, but without necessarily having completed the master’s degree.

The purpose of the admissions process is to judge the applicant’s basic intellectual resources, motivations for seeking the degree, probability of successfully completing the program, and the appropriateness of the department’s faculty and course offerings to the student’s program and career interests. A complete admission application consists of a Florida State University application for graduate admission, a supplementary application for applicants to the MSP or PhD program, official transcripts for all previous college or university work, an official transcript of scores on the general test of the Graduate Record Examination (GRE), and letters of recommendation. Persons unfamiliar with the GRE exam should consult the testing or placement office at a U.S. university, the Educational Testing Service in Princeton, New Jersey, or from U.S. embassies and consulates worldwide. Questions concerning certification of financial independence and health status relevant to the issuance of a U.S. immigration form I-20 should be addressed to the International Center: ATTN: Immigration, The Florida State University; Tallahassee, Florida 32306-2280 U.S.A. In addition to the required written application, applicants are encouraged to come to Tallahassee for a personal interview. This permits a clearer exchange of information, provides us with a firmer sense of the applicant’s goals, and allows the applicant to evaluate resources here first hand. The admissions assistant will arrange an interview on request.

Definition of Prefix

URP — Urban and Regional Planning

Graduate Courses

Planning Theory and Practice

URP 5101. Planning Theory and Practice (3). A general introduction to the field of planning, examining the intellectual heritage and procedural approaches shared by practitioners working in all areas of contemporary planning practice. Also introduces students to the general area of planning theory and the use of the fundamental political and ethical issues they will face in planning practice.

URP 5122. Planning Dispute Resolution (3). Complex regulatory disputes frequently involve public sector decision making andcripplenor major private sector investments. Parties to these disputes should be submitted in the

transportation plans frequently fail to cooperate to achieve the best possible outcome. Examines why this is so and tries to develop the skills necessary to improve the outcome in contentious decision making.

URP 5125. Plan Implementation (3). Under the general plan of an urban area, the course will explore: legal aspects of plan making, implementation politics, policy implementation, intergovernmental agreements, and public participation, and public participation, and public participation, and public participation.

URP 5131. Legal Foundations for Planning (3). Majors only. Introduces the concepts, issues, and major legal requirements affecting the role of planning in the governmental decision process. Considers the role of federal and state constitutions laws as they affect planning activities, the basic requirements of due process and law and procedures, and the actions of courts and legislatures in the control of land use, development, and the planning of services and facilities.

Advanced Topics in Planning Problems (3). Prerequisites: URP 5222, 5261; permission of instructor. Involves team study of specialized planning problems. Problems of students to select problems to which the planning process can be applied and which require the use of methods and techniques learned in the core program and in a student’s specialization. The course, along with the thesis (URP 5971) or research paper (URP 5910) options, serves as the terminal requirement of the program.

URP 5504. Placing for Social Change and Citizen Participation (3). Concerned with planning as an instrument of purposeful social change. Topics include social change models, advocacy planning as an approach to social change, and citizen participation in planning and policy development.

URP 5544. Gender and Development (3). Examines the effects of gender on planning and urban development. Students explore the role of gender in planning and policy making, and the strategies for addressing gender issues in development.

Dispute Resolution Practicum (3). Prerequisite: URP 5132. Supervised training in facilitation and mediation skills for aiding planning disputes. Students will work under the direct leadership of an environmental facilitator or mediator in convening dispute resolution or consensus forums, aiding stake holders in articulation interests, developing agendas and concluding their work.

URP 6102. Seminar in Planning Theory (3). Planning is viewed as the attempt to apply the methods and findings of the sciences to practical questions of public policy. Philosophy of science, ethical theory, and political philosophy are examined for the implications each has for this view.

Planning Methods

URP 5201. Methods of Planning Analysis I: Research and Evaluation (3). Focuses on the scientific social research process in planning practice, including: the linkage between theory and research; conceptualization and operationalization of the research problem; study designs; sampling; data sources and collection techniques; the logic of data analysis; program evaluation; and computer use.

URP 5211. Methods of Planning Analysis II: Statistics (3). An introduction to descriptive and associative statistics as applied to public policy problems encountered by planners. Emphasizes estimation and probability theory, distributions, sampling, and inference. Elementary multivariate techniques are taught, including those appropriate for analysis of non-normally distributed data.

URP 5222. Policy Analysis for Planning Decisions (3). Prerequisites: URP 5101, 5201; or permission of instructor. Majors only. Focuses on a systems analysis approach as a means of analyzing problems and formulating action alternatives. Emphasis is given to techniques of modeling, applied econometrics, and probabilistic risk analysis, and cost benefit and cost effectiveness in the assessment of alternative courses of action.

URP 5257. Fiscal Impact Analysis (3). An introduction to cost estimation and fiscal impact techniques. Students are required to apply the appropriate methodologies to an actual development, evaluating the assumptions, limitations, accuracy, and sufficiency of the estimates produced.

URP 5261. Methods of Planning Analysis III: Planning Development (3). Prerequisite: URP 5245, 5251; a graduate statistics course, or permission of instructor. Deals with the methods used in plan analysis and development. Emphasis is given to demographic analysis and population projection techniques, economic base analysis and other methods of economic projection, and methods for preparing a land use plan. Students are required to use these methods in preparing a demographic, economic, and land use analysis for a Florida county and subcounty area.

Urban & Regional Information Systems (3). This course is designed to provide students with an understanding of how geographic information systems can be used in planning research and practice. The course will be introduced to the basic concepts, structures, and functions of geographic information systems and their applications to urban and regional planning, research and practice. Emphasis will be placed on communication of planning information through electronic and print media.
Environmental Planning and Natural Resource Management

URP 5421. Introduction to Environmental Planning and Natural Resource Management (3). Provides a general introduction to the related problems of resource management and environmental planning. Focuses on an overview of problems, potential solutions, and critical ideas, methodologies, exist- ing institutions, and other public policy areas such as land-use controls and regional planning. Emphasizes the need to become familiar with a series of fundamental concepts from environmental science and engineering, environmental economics, and policy. The role of natural resources is also important in evaluating alternative courses of action. Students will also gain familiarity with the basic analytic approaches to valuing and managing environment, resources, and policies. URP 5422. Coastal Planning (3). Examines the planning and management of coastal environments including coastal geomorphic processes, coastal ecosystems, legal structures, and regulations. Reviews the implementation of critical lands management, provision of public utilities, public access, and sea level rise. URP 5424. Sustainable Development Planning in the Americas (3). 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 notion of sustainable development for American approaches to planning for sustainable development; and 3) critical issues of sustainable development in Latin America. Prerequisite: URP 5425. Methods of Environmental Analysis (3). Prerequisite: URP 5421, 5427, or permission of instructor. Examines available methods of environmental impact analy- sis and management. Includes an examination of water quality, wastetreatment, and air pollution control, although topics such as noise and solid waste pollution are also considered. URP 5427. Protection and Policy (3). Introduces legal concepts and doctrines relevant to pollution controls and the assessment of environmental impacts. The role of courts, legislatures, and administrative agencies, in responding to the problems and formulating control strategies, is described. URP 5428. Pollution Control (3). Develops a working understanding of the technological and management options for controlling and preventing air, water, and solid waste pollution. Emphasizes the role of impact analysis, risk assessment, and environmental fate and transport and provide a framework for understanding pollution risks to human health and the environment. Prerequisite: URP 5429. Special Topics in Environmental Planning and Resource Management (3). An advanced seminar in selected topics relating to environment and resource management issues. Content varies. May be repeated to a maximum of six (6) semester hours.

Growth Management and Comprehensive Planning

URP 5512. Perspectives and Issues of Comprehensive Planning and Growth Management (3). Introduces students to the problems and needs for growth management and compre- hensive planning in U.S. cities, covering public and private development agencies, policy implications, urban management and policy. Primary emphasis is placed on water quality, wastewater treatment, and air pollution control, although topics such as noise and solid waste pollution are also considered. URP 5429r. Special Topics in Environmental Plan- ning and Resource Management (3). An advanced seminar in selected topics relating to environment and resource management issues. Content varies. May be repeated to a maximum of six (6) semester hours.

Transportation Planning

URP 5711. The Transportation Planning Process (3). Introduction to various aspects of contemporary U.S. transpor- tation planning, including the role of transportation and land development planning. Emphasizes the role of transportation and land planning that are environmentally sound, socially efficient, and equitable. URP 5716. Transportation and Land Use (3). Prerequisite: URP 5717 or permission of instructor. Addresses the land and transportation implications of development, and explores strategies for transportation and land use planning that are environmentally sound, socially efficient, and equitable. URP 5717. Methods of Transportation Planning (3). A presentation of the linkage between planning model outputs and the development of alternative transportation plans. Topics include techniques of facility location assessment, horizontal alignment, vertical alignment, capacity analysis, and impact assessment, as employed at the preliminary design stage of proposed transportation network improvements. URP 5719r. Special Topics in Transportation Planning (3). A special topics seminar provides for the examination of selected transportation problems and issues. Specific content varies. May be repeated to a maximum of six (6) semester hours.

Housing and Community Development

URP 5540. State and Local Economic Development Strategies for Employment and Investment in State and Local Economies. Considers programs targeted to depressed urban neighborhoods, rural Economic Opportunity Zones, downtown commercial areas and specific business sectors. URP 5615. Infrastructure and Housing in Less De- veloped Countries (3). An examination of infrastructure and housing issues in developing countries, including relationship between infrastructure and development, demand and supply of new facilities, financing alternatives, squatter housing, and self-help strategies. URP 5742. Problems and Issues in Housing and Com- munity Development (3). Examination of housing and com- munity development issues, problems, and policy. Attention is focused on the operation of the housing market, historical development of housing and community development prob- lems, and the evaluation of public and private sector responses to these problems. URP 5743. Neighborhood Planning (3). Focuses on ways in which planning can enable neighborhood residents to enhance the attractiveness of their neighborhood. Course is designed primarily for planners who will be working with neighborhood groups or who will be employed by neighborhood organizations or community development corporations. URP 5745. Housing and Community Development Methods (3). Prepares students in key skills needed to study and measure housing demand and supply. The first part of the course concentrates on the empirical techniques measuring housing need and demand. The remainder of the course focuses on the real estate finance skills and techniques used in the management of residential development. URP 5749r. Special Topics in Housing and Community Development (3). Advanced seminar in selected housing and community development issues and problems. Content varies. May be repeated to a maximum of six (6) semester hours.

Planning for Health and Aging

URP 5520. The U.S. Health Care System (3). Examines the structures, policies, resources, and services of the U.S. health care system, including the role of federal, state, and local health care systems. Includes an examination of the aging population and the impact of aging on the health care system. URP 5515. Health Care Reform (3). Major governmental policies developed to facilitate access to health care are examined, particularly policies of the fed- eral government. Major federal and state regulatory policies affecting health and long-term care are examined for policy intent and effect on the intersection of health financing and delivery of care. URP 5550. Policy and Planning for the Aging (3). An examination of the problems of the aged and appropriate planning problems and planning solutions for the planning of older people. Focus is placed on the analysis of inter-generational relationships, formal and informal support systems, current social policy and planning practices, and social services for the aged in other countries. Other Graduate Courses

URP 5905s. Directed Individual Study (1–3). (SU grade only.) May be repeated to a maximum of nine (9) semester hours.
Program in

WOMEN’S STUDIES

COLLEGE OF ARTS AND SCIENCES

Director: Joyce Carbonell (Psychology/Women’s Studies); Participating Faculty: Pohl (Art History); Finnegan (Art Education); Bearor (Art History); Gilmer (Chemistry), N. DeGrummond, Folkerson, Sickinger, Tatum (Classical Languages, Literature, and Civilization); 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, Senke (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); Erml, Kallbian, 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. The program offers an interdisciplinary minor.

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.

Students pursuing research in women’s studies at The Florida State University will find a rich array of materials on women and gender in the government document holdings and numerous microform manuscript collections of the Strozier Library and in the extensive collections of the College of Law Library and the Mildred and Claude Pepper Library. The Jean Gould Bryant Library of Women’s Studies is housed in the Office of Women’s Studies, 214J WJB, and provides books, journals, and newsletters relevant to women’s studies. A searchable database of these resources also is available. The nearby State Archives are an additional source of research material.

Requirements for a Minor in Women’s Studies

Please review all college-wide degree requirements summarized in the “College of Arts and Sciences” chapter of this Graduate Bulletin.

Graduate students can devise a minor field in women’s studies with the approval of their major program and the approval of the director of the women’s studies program. A women’s studies minor at the MA level shall consist of nine (9) semester hours of approved courses. A women’s studies minor at the PhD level shall consist of twelve (12) semester hours of approved courses. One approved course from the student’s degree-granting program can be counted toward the women’s studies MA or PhD minor as long as the course is not used to fulfill credit hours in the degree program. Courses shall be selected from among approved women’s studies courses, seminars, colloquia, and directed individual study.

Approved Courses

Note: see the appropriate individual departments for full course descriptions.

AMH 5564 Women in Modern America (4)
AMH 5567 Women in 19th-century America (4)
AMH 5568 Colonial and Revolutionary Era
ARH 5875 20th-Century Feminist Art Criticism
EDP 5038 The Role of the Woman
EDF 5706 Gender and Education in Comparative Perspective (3)
HEE 5347 International Home Economics (1–3)
LIT 5388 Studies in Women’s Writing (3)

Students pursuing research in women’s studies at The Florida State University will find a rich array of materials on women and gender in the government document holdings and numerous microform manuscript collections of the Strozier Library and in the extensive collections of the College of Law Library and the Mildred and Claude Pepper Library. The Jean Gould Bryant Library of Women’s Studies is housed in the Office of Women’s Studies, 214J WJB, and provides books, journals, and newsletters relevant to women’s studies. A searchable database of these resources also is available. The nearby State Archives are an additional source of research material. The courses foster critical analysis of assumed truths about society by examining paradigms based upon the feminist scholarship of the last three decades.

students pursuing research in women’s studies at the Florida State University will find a rich array of materials on women and gender in the government document holdings and numerous microform manuscript collections of the Strozier Library and in the extensive collections of the College of Law Library and the Mildred and Claude Pepper Library. The Jean Gould Bryant Library of Women’s Studies is housed in the Office of Women’s Studies, 214J WJB, and provides books, journals, and newsletters relevant to women’s studies. A searchable database of these resources also is available. The nearby State Archives are an additional source of research material.

Defines Prefix

WST — Women’s Studies

Graduate Courses

WST 5905 Directed Independent Study (1–3), (S/U grade only.) Prerequisite: At least one women’s studies course. For graduate students who wish to supplement the regular course offerings on women/gender by independent reading or research under guidance. May be repeated to a maximum of three (3) credit hours.

WST 5934 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 normally covered in the regular curriculum will be offered. May be repeated to a maximum of six (6) semester hours.

WST 5936 Interdisciplinary Topics in Feminist Theory (3). Prerequisite: At least one women’s studies course. Corequisite: Program Approval. This course will focus on gender within major current theories, perspectives, and methodologies developed with any combination of the natural and social sciences and the humanities. This course will be of value to students approaching gender and women’s issues from any disciplinary perspective. May be repeated to a maximum of six (6) semester hours.

ZOOLOGY

see Biological Science
UNIVERSITY ADMINISTRATION

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Associate Vice President for Academic Affairs
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Associate Vice President for Budgeting
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Associate Dean, Undergraduate Studies and Director
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Relations
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Janice Finney
Director of Financial Aid
Darryl Marshall
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University Registrar
Timothy Martin
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Dean, Panama City Campus
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Services
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Dean, University Outreach and Director of Center
for Professional Development and Public Service
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Director of International Programs
Laura B. Hassler
Director of Learning Systems Institute
Beverly Atkeson
Director of Multidisciplinary Evaluation and
Consulting Center
Althea Jenkins
Director of University Libraries
Joseph Travis
Director of Computational Science and Information
Technology

### DEANS OF COLLEGES AND SCHOOLS

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interim Dean, College of Arts and Sciences</td>
<td>Joseph A. Travis</td>
</tr>
<tr>
<td>Interim Dean, College of Business</td>
<td>E. Joe Nosari</td>
</tr>
<tr>
<td>Dean, College of Communication</td>
<td>John K. Mayo</td>
</tr>
<tr>
<td>Dean, School of Criminology and Criminal Justice</td>
<td>Thomas Blomberg</td>
</tr>
<tr>
<td>Dean, College of Education</td>
<td>Marcy P. Driscoll</td>
</tr>
<tr>
<td>Dean, College of Human Sciences</td>
<td>Ching-Jen Chen</td>
</tr>
<tr>
<td>Dean, College of Information</td>
<td>Penny A. Ralston</td>
</tr>
<tr>
<td>Dean, College of Law</td>
<td>Larry Dennis</td>
</tr>
<tr>
<td>Dean, College of Medicine</td>
<td>Donald Weidner</td>
</tr>
<tr>
<td>Dean, School of Motion Picture, Television, and Recording Arts</td>
<td>James Octe Harris</td>
</tr>
<tr>
<td>Dean, College of Music</td>
<td>Frank Patterson</td>
</tr>
<tr>
<td>Dean, School of Nursing</td>
<td>Don Gibson</td>
</tr>
<tr>
<td>Dean, College of Social Sciences</td>
<td>Katherine P. Mason</td>
</tr>
<tr>
<td>Dean, College of Social Work</td>
<td>David W. Ralston</td>
</tr>
<tr>
<td>Dean, College of Visual Arts and Dance</td>
<td>C. Aaron McNeece</td>
</tr>
</tbody>
</table>

### VICE PRESIDENT FOR RESEARCH

**Kirby W. Kemper**

<table>
<thead>
<tr>
<th>Position</th>
<th>Name</th>
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</thead>
<tbody>
<tr>
<td>Senior Executive Secretary</td>
<td>Linda McCorvey</td>
</tr>
<tr>
<td>Executive Secretary</td>
<td>Leslee Brand</td>
</tr>
<tr>
<td>Associate Vice President</td>
<td>Brooks Keel</td>
</tr>
<tr>
<td>Assistant Vice President</td>
<td>Olivia H. Pope</td>
</tr>
<tr>
<td>Interim Director of Sponsored Research Services</td>
<td>Greg Thompson</td>
</tr>
<tr>
<td>Director of Laboratory Animal Resources</td>
<td>Robert M. Werner</td>
</tr>
<tr>
<td>Director of FSU Marine Laboratory</td>
<td>Richard L. Iverson</td>
</tr>
<tr>
<td>Director of National High Magnetic Field Laboratory</td>
<td>Gregory S. Boebinger</td>
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<tr>
<td>Director of Technology Transfer</td>
<td>John Fraser</td>
</tr>
<tr>
<td>Director of Business and Finance, FSU Research Foundation</td>
<td>Wayne Young</td>
</tr>
<tr>
<td>Director of Sponsored Research Accounting Services</td>
<td>Peter Derham</td>
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<tr>
<td>Director of Corporate Relations</td>
<td>Kurt Moore</td>
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<tr>
<td>Legal Counsel</td>
<td>Betty Southard</td>
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</table>

### VICE PRESIDENT FOR UNIVERSITY RELATIONS

**Lee F. Hinkle**

<table>
<thead>
<tr>
<th>Position</th>
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<tbody>
<tr>
<td>President, FSU Alumni Association</td>
<td>TBA</td>
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<tr>
<td>President, Seminole Booster, Inc.</td>
<td>Andy Miller</td>
</tr>
<tr>
<td>Assistant Vice President for University Relations and Director, University Communications</td>
<td>Franklin D. Murphy</td>
</tr>
<tr>
<td>Assistant Vice President for Community Relations</td>
<td>Donna McHugh</td>
</tr>
<tr>
<td>Administrative Director</td>
<td>Dawn C. Randle</td>
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<tr>
<td>Assistant Vice President for Governmental Relations</td>
<td>Kathleen Daly</td>
</tr>
<tr>
<td>Director of Broadcasting Center</td>
<td>Patrick Keating</td>
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<tr>
<td>Director of Visual Media and Promotions</td>
<td>Scott Atwell</td>
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<tr>
<td>Director of Media Relations</td>
<td>Browning Brooks</td>
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<tr>
<td>Assistant Director, Print and Electronic Publishing</td>
<td>Steve Rine</td>
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<tr>
<td>Director of Visitor Services</td>
<td>Denise Mercier</td>
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<tr>
<td>Assistant Administrative Director</td>
<td>Aimee Wallace</td>
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<tr>
<td>Assistant Director of Events</td>
<td>Kirsten Soriano</td>
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<tr>
<td>Director of Arts Festival</td>
<td>Diane Greer</td>
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</table>

### SR. VICE PRESIDENT FOR FINANCE AND ADMINISTRATION

**John R. Carnaghi**

<table>
<thead>
<tr>
<th>Position</th>
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<tbody>
<tr>
<td>Associate Vice President for Budget, Planning and Administrative Services</td>
<td>Ralph Alvarez</td>
</tr>
<tr>
<td>Associate Vice President for Technology Integration</td>
<td>Larry Conrad</td>
</tr>
<tr>
<td>Assistant Vice President for Administrative Affairs</td>
<td>Perry Crowell</td>
</tr>
<tr>
<td>Assistant Vice President for Human Resources</td>
<td>Joyce A. Ingram</td>
</tr>
<tr>
<td>Assistant Vice President for Facilities</td>
<td>Dennis Bailey</td>
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<tr>
<td>Associate Vice President for Administration</td>
<td>Paul Strouts</td>
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<tr>
<td>Director of Environmental Health and Safety</td>
<td>Thomas Jacobson</td>
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<tr>
<td>Director of Business Services</td>
<td>David Leek</td>
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<tr>
<td>Director of Northwest Regional Data Center</td>
<td>A. Victor Ferreros</td>
</tr>
<tr>
<td>Executive Director of Enterprise Resource Planning</td>
<td>Russ Henderson</td>
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<tr>
<td>Director of Public Safety</td>
<td>Carey M. Drayton</td>
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<tr>
<td>Director of Purchasing and Receiving</td>
<td>Marcie Doolittle</td>
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<tr>
<td>Associate Athletic Director for Financial and Support Operations</td>
<td>Charles Hurst</td>
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<tr>
<td>Director of Academic Business Administration</td>
<td>Angela Gaskins</td>
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<tr>
<td>Director of University Budget</td>
<td>Michael Lake</td>
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<tr>
<td>Director of Space Utilization and Analysis</td>
<td>Lori Pinkerton</td>
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<tr>
<td>Director of Employee Assistance Program</td>
<td>Bruce Prevatt</td>
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<tr>
<td>Director of Telecommunications</td>
<td>Harvey Buchanan</td>
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<tr>
<td>University Controller</td>
<td>Thomas Harrison</td>
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### VICE PRESIDENT FOR STUDENT AFFAIRS

**Mary B. Coburn**

<table>
<thead>
<tr>
<th>Position</th>
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<tbody>
<tr>
<td>Associate Vice President for Student Affairs</td>
<td>Timothy Quinnan</td>
</tr>
<tr>
<td>Associate Vice President for Student Affairs</td>
<td>Elizabeth Maryanski</td>
</tr>
<tr>
<td>Executive Assistant to the Vice President for Multicultural Affairs</td>
<td>Georgia M. Bowen</td>
</tr>
<tr>
<td>Director of Career Center</td>
<td>Jeff Garis</td>
</tr>
<tr>
<td>Director of University Housing</td>
<td>Rita Moser</td>
</tr>
<tr>
<td>Director of Thagard Student Health Center</td>
<td>Lesley Sacher</td>
</tr>
<tr>
<td>Dean of Students</td>
<td>Barbara Varchol</td>
</tr>
<tr>
<td>Director of Student Counseling Center</td>
<td>Anika Fields</td>
</tr>
<tr>
<td>Student Body President</td>
<td>Jarrett R. Eady</td>
</tr>
<tr>
<td>Student Body Vice President</td>
<td>Jessica Hanson</td>
</tr>
<tr>
<td>Director of Oglesby Union</td>
<td>Christopher Roby</td>
</tr>
<tr>
<td>Director of Campus Recreation</td>
<td>Alicia Crew</td>
</tr>
<tr>
<td>Director of Center for Academic Retention and Enhancement</td>
<td>Angela Richardson</td>
</tr>
<tr>
<td>Director of Educational Research Center for Child Development</td>
<td>Bridget Nwabuzor</td>
</tr>
<tr>
<td>Director of International Center</td>
<td>Roberta Christie</td>
</tr>
<tr>
<td>Director of the Center for Civic Education and Service</td>
<td>William Moeller</td>
</tr>
</tbody>
</table>
Graduate 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 as well;

**Adel, Lawrence G., Ph.D., 1972, Miami; University Provost, and Professor of Biological Sciences Field: Ecology, Community Biology, Systematics of Decapod Crustaceans.**

**Ahvazi, Jon E., Ph.D., 1981, Wisconsin; Associate Professor of Mathematics, Fields: Algebraic Geometry, Complex Analysis.**

**Allen, Michael L., Ph.D., 1989, North Texas; Professor of Music, Fields: String Education.**

**Almon, Susan D., Ph.D., 1974, Southern California; Associate Professor of Early Childhood Education and Practice Fields: Child Development, Multicultural Education.**

**Anderson, Rodney D., Ph.D., 1980, Cornell; Professor of Music, Fields: Jazz Studies.**

**Anthony, Jon Scott, B.M., 1987, Florida State; Visiting Assistant Professor of Psychology, Fields: Applied Behavior Analysis, Business and Industry, Classroom Management, Research Methods in Psychology.**

**Aquilina, Joseph N., Ph.D., 1975, Michigan; Professor of Electrical and Computer Engineering, Fields: Laser Processing of Materials and Devices, Laser-based Surface Analysis.**

**Ardew, Alainette G., Ph.D., 1979, North Texas; Professor of Chemistry and Biochemistry, Fields: Laser Processing of Materials and Devices, Laser-based Surface Analysis.**

**Atkinson, Robert E., Jr., Ph.D., 1976, Virginia; Assistant Professor of Mechanical Engineering, Fields: Experimental Fluid Dynamics, Flow control; microfluid dynamics and diagnostics; optical diagnostics, gas dynamics.**

**Amsler, Eva, B.M., Visiting Assistant Professor of Music Fields: Woodwind Performance/Literature.**

**Anderson, Leon, Jr., M.M., Associate Professor of Music. Fields: Music Performance, Jazz Studies.**

**Anderson, Rodney D., Ph.D., 1968, American University; Professor of History, Fields: Latin American History, International Relations.**

**Anderson, Thomas L., Ph.D., 1983, Georgia; Professor of Art Education, Fields: Art Criticism and Theory, Art History, Art Education.**

**Ang, James S., Ph.D., 1973, Vanderbilt University; Assistant Professor of Chemistry and Computer Engineering Fields: Fluid Mechanics and Heat Transport in Material Processing, Mechanics and Rheology of Composite Fluids, Pulsed Energized Reactors in the Removal of Pollutants from Combustion Processes.**

**Ardell, Beverly M., Ph.D., 1976, Georgia; Director, Research Programs/Services, Social Work Fields: Evaluation and Testing of School-Age Children Experiencing Academic and Behavior Problems.**

**Arist, Burton M., Ph.D., 1970, Kentucky; Professor of Political Science Fields: Public Law, Courts and Judicial Behavior, Domestic Public Policy.**

**Atkinson, Robert E., Jr., Ph.D., 1982, Yale; Professor of Law, Fields: Property, Nonprofit Organizations, Ethics.**

**Audicar, Ivanone, Ph.D., 1988, Florida; Associate Professor of Urban and Regional Planning Fields: Sustainable Development, Growth Management, Neo-Traditional Design.**

**Austin, Anjali, Associate Professor of Dance, Fields: Ballet Technique.**

**Awoyni, Samuel A., Ph.D., 1980, Cornell; Professor and Associate Dean of Industrial Engineering, Fields: Manufacturing Science and Systems, College of Engineering Fields: Applied Optimization, Maintenance Engineering.**

**Bae, Howard A., Ph.D., 1984, Wisconsin; J. Daniel Kimel Professor of Physics, 2002 Fields: Theoretical High Energy Physics.**

**Bagliotti, Julianna C., Ph.D., 1990, North Carolina; Associate Professor of English Fields: Fiction (Novel Writing), Poetry and Children's Literature.**

**Baker, Jon Scott, Ph.D., 1979, Kansas; Professor of Psychology, Fields: Applied Behavior Analysis, Child and Adolescent Management, Research Methods in Applied Behavior Analysis, Business and Industry, Behavioral Diagnostics.**
+ Bakar, Michael B., Ph.D., 1993, California at Los Angeles; Associate Professor of Music, Fields: Indigenous Music, Music Education (specialization in gamelan), American Music Cultures (African-American, jazz, popular music, film and television music, electronic and computer music).

+ Baker, Stephen G., Ph.D., 1974, Colorado; Associate Professor of Geography, Fields: Behavioral, Environmental, Natural, and Man-Made Hazards, Quantitative Methods.

+ Baker, Thomas D., Ph.D., 1977, City University of New York; Service Professor of Theatre, Field: Dramatic Theory and Criticism.


+ Baldwin, Margaret A., J.D., 1984, Minnesota Law School; Associate Professor of Law, Fields: Civil Rights Survey, Criminal Procedure, Federal Courts, Prostitution and Pornography, Race, Gender and Law.


+ Bailes, William D., Ph.D., 1987, Florida State; Professor of Criminology, College of Criminal Justice and Criminology Fields: sentencing and punishment, effectiveness of correctional practices and programs, recidivism and community reintegration, and educational effects on juvenile delinquency.

+ Balkwill, David L., Ph.D., 1977, Pennsylvania State; Professor and Co-Chair of Basic Medical Sciences, Distinguished Research Professor, 1992-1999 Field: Microbiology.

+ Banks, David C., Ph.D., 1993, North Carolina at Chapel Hill; Professor of Political Science, Fields: 3D Computer Graphics, Scientific Visualization.


+ Barbour-Brennan, Paula, Ph.D., 1975, Yale; Assistant in English, Fields: English Renaissance Literature, Women's Studies.


+ Barrett, Anne E., Ph.D., 1999, Duke; Assistant Professor of Sociology, Fields: Mental Health, Family, Aging, Drug Use.

+ Barrilleaux, Charles J., Ph.D., 1985, State University of New York, Binghamton; Professor of Political Science Fields: Policy Analysis, Health Policy.

+ Barth, Vickie R., D.E.D., 2003, University of Iowa; Assistant Professor of Nursing and Program Director, School of Nursing Fields: Adult Health.

+ Bass, Henry W., Ph.D., 1992, North Carolina State; Assistant Professor of Biological Science Fields: Cell and Molecular Biology, Meiosis, Nucleus Organization, Cytokinesis in Higher Plants.

+ Bates, George W., Ph.D., 1977, Washington at Seattle; Associate Chair and Professor of Biological Science, Fields: Plant Cell and Molecular Biology, Cell Finito, Transformation, Recombiant DNA Plant Cell Culture.


+ Baylor, Amy, Ph.D., 1997, South Carolina; Associate Professor of Educational Research Fields: Cognitive and Computer Simulations Environments.

+ Beach III King D., Ph.D., 1995, City University of New York; Associate Professor in the Department of Educational Leadership & Policy Studies, College of Education Fields: Developmental Psychology, Cultural Anthropology, South Asian Studies, relations between informal and formal education.

+ Bearer, Karen A., Ph.D., 1988, Texas at Austin; Associate Professor of Art History, Fields: Modern 19th and 20th Centuries, Functional and Aesthetic Apparel Design, Computer Applications in Apparel Design.

+ Black, Catherine M., Ph.D., 1993, Minnesota; Associate Professor of Textiles and Consumer Sciences Fields: Apparels, Functional and Aesthetic Apparel Design, Computer Applications in Apparel Design.

+ Blakes, George C., M.F.A. Professor of Studio Art, Fields: Printmaking, Sculpture.

+ Blessing, Susan K., Ph.D., 1988, Indiana; Associate Professor of Physics, Fields: Experimental Physics and Elementary Particle Physics.

+ Blumberg, Thomas G., D.Crim., 1974, California at Berkeley; Sheldon L. Messinger Professor of Criminology, 2001, and Associate Dean of Criminology and Criminal Justice Fields: Criminal Sociologies, Law and Social Control.

+ Bloom, James J., Ph.D., 2002, Duke; Assistant Professor of Art History, School of Visual Arts and Art History Fields: Early Modern Art.

+ Blumsack, Steven L., Ph.D., 1969, Massachusetts Institute of Technology; Associate Professor of Mathematics, Fields: Dynamics of Rotating Fluids.

+ Bocci, George R., M.E.D., 1965, Penn State; Associate Professor of Studio Art, Field: Ceramics.

+ Boeher, Bruce T., Ph.D., 1986, Pennsylvania; Bertram H. Davis Professor of English, 2001 Fields: English Renaissance Literature, Creative Writing.

+ Boggs, H. Glenn, II, J.D., 1975, Florida State; Professor of Risk Management/Insurance, Real Estate and Business Law Fields: Real Estate Law and Business Law.

+ Bojczuk, Kathryn E., Ph.D., 2004, Purdue; Associate Professor of Family and Child Sciences, College of Human Sciences Fields: Associations between maternal beliefs, practices and programs, recidivism and community reintegration; parents' and teachers' beliefs about on books reading with preschoolers; parent-child relationships.


+ Bolot, Carlos A., Ph.D., 2000, Northeastern; Assistant Professor of Psychology, College of Arts and Sciences Fields: Neuroscience, Neurobiology of Drug Addiction, Neuropsychopharmacology.

+ Bonfim, Nicholas E., Ph.D., 1991, Cornell University; Associate Professor of Physics Fields: Condensed Matter Theory, Many Body, Magnetism, Quantum Hall Effect.

+ Bonn, Mark A., Ph.D., 1982, Texas A&M; Professor of Hospitality Fields: Tourism Marketing and Research.

+ Boroto, Daniel R., Ph.D., 1972, Connecticut; Associate Professor of Psychology, Fields: Psychotherapy Theory and Research, Personality and Social Psychological Applications to Psychotherapy and Clinical Practice.

+ Boswell, Richard I., Ph.D., 1982, Philadelphia; Professor of Physics, Fields: Condensed Matter, Superconductivity.

+ Bourgeois, Michelle S., Ph.D., 1988, Pittsburgh; Professor of Communication Disorders, College of Communication Fields: Adult Neurogenetics, Developmental Hearing.

+ Boutin, Aimee M.C., Ph.D., 1991, Cornell; Associate Professor of Political Science Fields: American Law and Policy Fields: Constitutional Law, American Legal Institutions.

+ Bourque, Michael F., Ph.D., 1994, Iowa; Professor of English, Fields: 3D Computer Graphics, Scientific Visualization.

+ Bower, Beverly L., Ph.D., 1985, Iowa; Professor of English, Fields: 3D Computer Graphics, Scientific Visualization.


+ Bowles, John K., Ph.D., 1992, Florida State; Professor of Educational Leadership Fields: Higher Education Administration, Community College Philosophy and Leadership.


+ Bowman, Cynthia, Ph.D., 1996, Kent State; Assistant Professor of English Education, Fields: Literacy, Technology, At-Risk Adolescents, Qualitative Research, Community.
Darst, David H., Ph.D., 1970, Kentucky; Professor of Modern Languages and Literatures; Fields: Spanish Golden Age Literature, Renaissance and Baroque Humanities.

Davis, Frederick R., Ph.D., 2001, Yale; Assistant Professor of History; Fields: U.S. Science, Environment and Policy; Fields: Climate Change, Regional Economic Development, Rural Development.

* Davison, Lynda J., M.F.A. Professor of Dance; Fields: Contemporary Dance Technique, Contemporary Dance Repertoire, Choreography.

Davis, Robert A., Ph.D., 1988, Georgia; Associate Professor of Middle and Secondary Education Fields: Science Education.

Day, Matthew D., Ph.D., 2003, Brown; Assistant Professor, Religion, College of Arts and Sciences.

De Grammon, Nancy T., Ph.D., 1968, North Carolina at Chapel Hill; M. Lynette Thompson Professor of History; Fields: Classical Archaeology and Etymology.

* De Medeiros, Breno E., Ph.D., 2004, John Hopkins; Assistant Professor, Computer Science, College of Arts and Sciences Fields: Applied Cryptography, Network Security, Information Security and Privacy.

Dean, Patricia R., M.S.N. Associate Professor of Nursing; Fields: Psychiatric Nursing, Substance Abuse.

DeHaven-Smith, Lance M., Ph.D., 1980, Ohio State; Professor of Public Administration and Policy and Director of the Institute of Government, Fields: Public Policy, Political Theory.


Dennen, Vanessa P., Ph.D., 2001, Indiana; Assistant Professor of Educational Psychology, College of Education.

Dennin, Lawrence C., Ph.D., 1979, Virginia; Professor and Dean, Information Studies, College of Information Fields: Experimental Physics; Heavy-Ion Nuclear Physics, Electron Scattering.

Dewar, William K., Ph.D., 1983, Massachusetts Institute of Technology; Pierre Welander Professor of Oceanography, 2001, and Faculty Associate, School of Computational Science and Information Technology; Fields: Ocean Circulation, Gulf Stream Rings and Coherent Structures, Western Boundary Currents, Mixing, Turbulent Diffusion, and Transport of Tropically and Free Mesoscale Systems, Layered Dynamics.


Dickey, Michael H., Ph.D., 2001, Louisiana State; Assistant Professor of Information Management Sciences, Business Fields: Virtual Organizations, Business-to-Business Electronic Commerce, Cross Cultural Franchise Organizations.

* Dickson-Carr, Darryl B., Ph.D., 1995, California at Santa Barbara; Associate Professor of English, Fields: Nineteenth Century American Literature, Twentieth Century American Literature, African American Satire, Literary Theory.

Diskin, Barry A., Ph.D., 1982, Georgia State; Professor, Risk Management-Insurance, Real Estate and Business Law Fields: Real Estate Valuation, Computer Applications to Real Estate, Valuation Analysis.

* Dittmer, Thorsten, Ph.D., 1999, Bremen; Assistant Professor of Oceanography, College of Arts and Sciences Fields: Marine Biogeochemistry, Molecular Trace Techniques, Major Element Cycling in Coastal Zones (Estuaries) and Polar Oceans (Arctic Ocean, Antarctica).


* Doan, Peter L., Ph.D., 1988, Cornell; Associate Professor of Urban and Regional Planning Fields: Planning and Development in Select Regions, Regional Economic Development, Rural Development.

* Dobrovoljsvic, Vladimir, Ph.D., 1988, Brown; Associate Professor of Finance Fields: Condorcet-Matter Theory, Disordered Systems and Glasses, Metal-insulator Transition.


* Dose, Jennifer L., Ph.D., 1977, Tennessee; Professor of Criminal Justice and Criminal Justice; Fields: Ecology of Crime, Juvenile Delinquency, Law Enforcement and Victimization.

Donoghue, John P., 1981, Southern California; Associate Professor of Geophysical Sciences, Fields: Geology of continental margins and coastal environments, causes and effects of sea-level change, Quaternary dating methods, seismic stratigraphy, radiochemical tracers for sediment transport and deposition, environmental geology.

* Doran, Glen H., Ph.D., 1980, California at Davis; Professor of Anthropology, Fields: North American Prehistory, Archaeological Method and Theory, Paleodemography, Human Osteology.

* Dorn, Charles M., Ed.D., 1959, Texas; Professor of Art Education Fields: Curriculum and Instruction.


Dougherty, Ralph C., Ph.D., 1963, Chicago; Professor of Chemistry and Biochemistry Fields: Immunological Applications of Spectroscopy Applied to Problems in Human and Environmental Health, Absolute Asymmetric Synthesis.

Douglas, Caesar, Ph.D., 1997, Mississippi; Assistant Professor of Management Fields: Leadership, Leader Political Behavior, Work Team Development, Temporary Workforce Issues.

Douglas, Ian W., Ph.D., 1996, Glasgow Caledonian University; Professor of Computer Science Fields: Computer Programming, Computer Engineering Fields: Human-computer interaction; computer-based learning; computer game development.

* Downs, Phillip E., Ph.D., 1976, North Carolina at Chapel Hill; Professor of Marketing, Fields: Research Design, Marketing Research, Marketing Strategy.

Driscoll, Mary A., Ph.D., 2002, Pennsylvania State University; Professor of Education Fields: Clinical Education/Faculty Support, Learning Systems Fields: Instructional Technology, Human-Computer Interaction.

* Downs, Philip, Ph.D., 1980, California at Davis; Associate Professor of Information Studies Fields: Information Seeking Behavior, Multimedia Information Systems, Telecommunications, School Library Media, Resources for Children and Young Adults.

Drew, John R., D.M.A. 1978, University of Kentucky; Professor of Music, Fields: Trombone Performance, Brass Ensemble Conducting.

Driscoll, Marcia P., Ph.D., 1978, Massachusetts; Leslie J. Briggs Professor of Educational Research, 2002, and Professor of Psychology and Learning Systems Fields: Learning and Instructional Theory, Educational Semiotics, Qualitative Research Methods.

* Dunn, Zhenhai, Ph.D., 2003, Minnesota; Assistant Professor of Computer Science, College of Arts and Sciences Fields: Computer Networks, Multimedia Applications.

Dudley, Gregory B., Ph.D., 2001, Bremen, Assistant Professor of Oceanography, College of Arts and Sciences Fields: Marine Biogeochemistry, Molecular Trace Techniques, Major Element Cycling in Coastal Zones (Estuaries) and Polar Oceans (Arctic Ocean, Antarctica).

* Dunn, Randy E., Ph.D., 1989, Georgia; Associate Professor of Risk Management/Insurance, College of Business Field Insurance.

Dunn, Cheryl L., Ph.D., 1994, Michigan State; Associate Professor of Accounting Fields: Accounting Information Systems.

Dunn, Julia K., Ph.D., 1987, Illinois; Associate Professor of Human Services and Studies, Fields: Leisure Services and Development.


Durtch, Cindy, Ph.D., 1998, Arizona; Assistant Professor of Accounting, Fields: Pension Choice, Institutional Trades Around Earnings Announcement Dates, Lease-type Choice for Firms in Financial Distress.

* Dusenbury, Richard B., Ph.D., 1989, Wisconsin at Madison; Associate Professor of Accounting, Fields: Taxation.

Dzurik, Andrew A., Ph.D., 1969, Cornell; Professor of Civil and Environmental Engineering, Fields: Water Resources Planning and Management, Environmental Systems Analysis.

Eastman, Kevin L., Ph.D., 1992, Pennsylvania; Professor of Risk Management/Insurance, Real Estate and Business Law Fields: Risk and Insurance.


* Ebbers, Paul D., M.M., 1971, Northwestern University; Associate Professor of Music, Fields: Tubas, French Horn, euphonium, Trumpet Literature.

* Ebener, Deborah J., Ph.D., 1989, Wisconsin; Associate Professor of Family Services and Studies, Fields: Rehabilitation Services, Counseling and Psychology, Human Systems.


Eccles, David W., Ph.D., 2001, Wales; Assistant Professor and Associate Program Director, Program Development/Faculty Support, Learning Systems Fields: Educational Technology, Multimedia Learning.

Eckel, Lisa A., Ph.D., 1996, Western Ontario; Assistant Professor of Psychology, Fields: Physiological and Neural Control of Ingestive Behavior, Eating Disorders and Obesity.

Edmondson, Laura, Ph.D., 1999, Texas; Assistant Professor of Theatre, Fields: African Theatre, Postcolonial and Feminist Theory, European Theatre and Drama, as well as Performance Studies.

Edward, Barbara J., Ed.D., 1989, Kentucky; Associate Professor of Special Education, Fields: Special Education Technology, the Mildly Handicapped.


Eflinov, Nina, Ph.D., 1991, Florida State; Associate Professor of Modern Languages and Linguistics, Fields: Nineteenth- and Twentieth-century Russian Literature, Emigre Literature.

Eginton, Margaret L., M.F.A., Assistant in Actor Training/Stage Management.

* Ehhardt, Charles W., J.D., 1964, Iowa; Professor of Law Fields: Evidence, Trial Practice, Trial Advocacy, and Litigation.

* Ekland, Robert C., Ph.D., 1951, North Carolina; Professor, School of Music Fields: Music Education, Music Theory.

* Ekland, Robert C., Ph.D., 1951, North Carolina; Professor, School of Music Fields: Music Education, Music Theory.

Elmore, Donna K., Ph.D., 1999, Minnesota; Associate Chair and Professor of Biological Science, Field: Neurochemistry.

Ellington, Robert G., Ph.D., 1972, Florida State; Professor, School of Meteorology Fields: Physical Meteorology-Thermodynamics, Cloud Physics, Radiative Transfer.

Ellington, W. Ross, Ph.D., 1976, Rhode Island; Professor of Biological Sciences Fields: Physical Meteorology, Atmospheric and Oceanic Sciences, Meteorology.

Elser, James Brian, Ph.D., 1988, Wisconsin at Madison; Professor of Geography, Fields: Synoptic Meteorology, Nonlinear Dynamics, Predictability and Chaos.
* Epstein, Andrew D., Ph.D., 2000, Columbia; Assistant Professor of English, Fields: 20th Century American Literature, 20th Century Post-1945, Modernism/Postmodernism, the Avant-Garde.

+ Epstein, Lloyd M., Ph.D., 1983, Indiana; Associate Professor of Philosophy, Fields: Epistemology, Molecular Genetics, Autocatalytic Processing of mRNA, Genome Organization and Evolution, Environmental Genetically Engineered.

+ Erickson, Lyle C., Ph.D., 1976, University of Stockhol; FSCW/King’s Eminent Scholar in Honor and Memory of Dr. Edward Conradi and Professor of Psychology, Fields: Cognitive and Behavioral Neuroscience, Structure and Acquisition of Memory, Expert Performance and Expertise, Study of Cognitive Processes Using Think-aloud Protocols and Retrospective Verbal Reports.

+ Erlebacher, Gordon, Ph.D., 1983, Columbia; Professor of Mathematics, Fields: Numerical Analysis, Scientific Visualization.

+ Erndt, Kathleen M., Ph.D., 1987, Wisconsin; Assistant Professor of Philosophy, Fields: Modern Hinduism, Hindu Goddess Traditions and Women’s Roles, Theory and Method in the Study of Religion, Women and Gender Studies.

* Fernández, Eusebio, Ph.D., 2002, Padova; Assistant Professor of Geological Sciences, College of Arts and Sciences Fields: Palaeoecology, Geology, Evolutionary Geology.

+ Eugenio, Paul M., Ph.D., 1998, Massachusetts; Assistant Professor of Physics, Field: Experimental Nuclear Particle Physics.

+ Fadool, Debra Ana R., Ph.D., 1993, Florida; Visiting Assistant Professor of Biological Science, Fields: Offiacion Signal Transduction, Ion Channel Structure/Function, Neuroendocrinology.

+ Fadool, Helen N., Ph.D., 1992, Michigan State; Visiting Assistant Professor of Biological Science, Fields: Developmental Biology, Cellular and Genetic Analysis of Visual System Development.

+ Faghri, Shafiquallah, Ph.D., 1999, Pakistan; Assistant Professor of Geological Sciences, College of Arts and Sciences Fields: Surface Processes.

+ Fajer, Piotr G., Ph.D., 1983, University of Leeds; Professor of Biological Science, Field: Biophysics of Muscle Contraction.

+ Falk, Dean, Ph.D., 1977, Michigan; Chair and Professor of Anthropology Fields: Primates and Human Brain Evolution, Neanderthal and Modern Human Origins, Comparative Primatology.

+ Farha, Sandra H., D.S.N., 1989, Alabama at Birmingham; Associate Professor, School of Nursing Fields: Gerontology, Caregiver Needs, Qualitative Research.

* Farrar, Lawrence, Associate Professor of Music, Field: Jazz/Contemporary Media.

+ Faulkner, Barry, Ph.D., 1994, Illinois; Associate Professor of English, Field: Victorian Literature.

+ Feick, Richard C., Ph.D., 1986, Kansas; Professor of Public Administration and Policy Studies: State and Local Administration, Business and Public Policy, Policy Evaluation.

+ Feinberg, Richard R., Ph.D., 1989, Princeton; Professor of Mathematics, College of Arts and Sciences Fields: Geometry and Topology, Dynamical Systems.

+ Finn, Fenneia, Martin G., Ph.D., 1992, Illinois; Associate Professor and Chair of Accounting Field: Decision Making.


* Fenton, Kevin A., Ph.D., 1994, Florida State; Associate Professor of Education, Fields: Education Policy, Social Policy, Field Change.

+ Fernandez, Mario L., Ph.D., 1995, Georgia; Assistant Professor of Middle and Secondary Education Fields: Mathematics Education, Middle and Secondary Education, Technology in Teaching Mathematics.

+ Fernandez, Roberto G., Ph.D., 1977, Florida State; Dorothy Lois Breen Hoffman Professor of Modern Languages and Linguistics, 2001 Fields: Latin American Literature and Creative Writing.

+ Ferris, Gerald R., Ph.D., 1982, Illinois at Urbana-Champaign; Francis Eppes Professor of Management Field: Finance, Strategic Resources Management and Organizational Behavior.

* Fichter, Robert W., M.F.A., Professor of Studio Art, Field: Photography.

+ Field, Michael H., Ph.D., 1961, Southern California; Dean and Professor of Motion Picture, Television, and Recording Arts, Fields: Mass Media History, Production and Technology, Film and Television Production, Digital and Video Technologies, and New Film History, Ethical Aspects of Mass Communication.

+ Figlewicz, Daniel P., Ph.D., 1974, Pennsylvania State; Professor of Social Work, Fields: Family Therapy, Traumatic Stress, Crisis Intervention, Clinical Supervision/Training.

+ Figueroa, Arturo, Ph.D., 1999, Arizona; Assistant Professor of Nutrition, Food, and Exercise Sciences, Fields: The acute and chronic effects of exercise on cardiac autonomic control in obesity, type 2 diabetes and cardiovascular diseases.

+ Fichman, Francis, Ph.D., 1980, Oxford; Professor, Eminent Scholar Chair, and Professor of Business Administration, Fields: Finance, Management, Organizations, and Information Systems.

+ Figlio, James E., Ph.D., 1987, Missouri-Columbia; Associate Professor of Art Education, Fields: Studio, Early Childhood Education, History of Art Education.


+ Finke, Ruth E., Ph.D., 1976, Illinois; Professor of Psychology, Fields: Memory, Cognition, and Neuropsychology.


+ Fleming, Raymond R., Ph.D., 1976, Harvard; Professor of Modern Languages and Linguistics Fields: Latin American, European Romanticism, African American Studies.

+ Fletcher, Donna Newcomer, Ph.D., 1975, Florida State; Associate Professor of Human Services and Studies, Fields: Special Education, Leisure Services.

+ Flood, Pamela F., Ed.D., 2002, Maine; Assistant Professor, Education Leadership and Policy Studies, College of Education Fields: Influ. of Leadership on Teacher Effectiveness; School Culture; Teacher Retention and Job Satisfaction.

+ Flores, Making of Modern China; Assistant Professor of Art History, School of Visual Arts and Dance Fields: Latin American, Contemporary Art, Critical Theory.

+ Flynn, Keith R., Ph.D., 1989, Alabama; Professor of Marketing.

+ Flynn, Lisa R., Ph.D., Alabama; Associate Professor of Marketing, Fields: Retail and Psychometrics.

+ Foucault, Michel, Ph.D., 1997, South Carolina; Associate Professor of Electrical and Computer Engineering, Fields: VLSI CAD, Analog IC Design, Artificial Intelligence especially Artificial Neural Systems, Design and Implementation of Digital Information Systems, Management of Knowledge and Organizational Learning and System Analysis, Design and Implementation of Digital Information Systems, Management of Knowledge and Organizational Learning and System Analysis.

+ Ford-Kronholz, Barbara J., M.M., 1971, University of Michigan; Associate Professor of Music, Field: Vocal Performance.

+ Foreman, Frederick J., Ph.D., 1995, Florida A&M University; Assistant Professor of Mechanical Engineering and Director of Mechanical Engineering Programs, Fields: Theoretical and Applied Mechnical.

+ Forrester, Norman L., S.G., Massachusetts Institute of Technology; Associate Director and Associate Professor of Electrical Engineering, Fields: Applied Mechanics and Design, Materials.

+ Foss, Donald J., Ph.D., 1966, Minnesota; Dean, College of Arts and Sciences, and Professor of Psychology, Fields: Psychology of Language, Cognitive Psychology.

+ Foull, David F., Ed.D., 1978, Tennessee; Chair and Professor of Social Work; Dean, School of Social Work Education Fields: Health Behaviors of At-Risk Youth, HIV/AIDS Prevention Among Migrant Farm-Workers.


+ Fowler, Douglas R., Ph.D., 1972, Cornell; Professor of English, Fields: Twentieth-Century British and American Literature.

+ Frank, Deborah I., Ph.D., 1982, Florida State; Professor of Nursing Fields: Psych/Mental Health Nursing, Marriage and Family Therapy, Sex Therapy and Education.

+ Frank, Michael P., Ph.D., 1999 Massachusetts Institute of Technology; Assistant Professor of Electrical and Computer Engineering.

+ Freeman, Marc Edward, Ph.D., 1970, West Virginia; Lloyd M. Beidler Professor of Biological Science, 2000, Distinguished Research Professor, 1994-1995 Field: Reproductive Endocrinology.

+ Freiberg, Jack W., Ph.D., 1988, Institute of Fine Art-New York University; Associate Dean, School of Visual Arts and Dance Field: Italian Renaissance.

+ Friedman, Max P., Ph.D., 2000, California at Berkeley; Visiting Assistant Professor of History, Field: U.S. Foreign Relations.

+ Fuehr, Philip N., Jr., Ph.D., 1979, Rhode Island; Professor of Oceanography, College of Arts and Sciences Fields: Marine Geochemistry, Paleoceanography, Paleoecology, Global Biogeochemical Dynamics.

+ Fuehling, Henry E., Ph.D., 1976, Texas A&M; Professor of Meteorology, Fields: Synoptic and Mesoscale Meteorology, Remote Sensing.

+ Fueyo, Vivian, Ph.D., Kansas; Chair and Professor of Elementary Education, Fields: Teacher Education, School-university Collaborations for Elementary Teacher Preparation, Clinical Supervision, Pre-service/In-service Teacher as Researcher.

+ Fulkerson, Laurel, Ph.D., 2000, Columbia; Assistant Professor of Classics Fields: Latin & Greek poetry, especially Horace.

+ Fulton, Robert L., Ph.D., 1964, Harvard; Professor of Chemistry and Biochemistry Fields: Theories of Linear and Nonlinear Dielectric Properties and Their Applications to Molecular Theory of Solvent Effects on Spectral Properties, Theories of Relaxation.

+ Furbush, David J., Ph.D., 1985, Colorado; Professor of Geological Sciences, Fields: Hydrology, Geomorphology.

+ Gaber, Brian D., M.M., 1986, Eastman School of Music; Associate Professor, School of Music Fields: Classical Media.

+ Gaede, Owen F., Ph.D., 1976, Illinois; Professor of Computer Science, and Director, Office of Interactive Learning Fields: Instructional Design.


+ Gagnon, John H., Ph.D., 1984, Michigan; Associate Professor of Modern Languages and Linguistics, Fields: Contemporary Latin American Poetry and Politics, Latin Poetry in the United States, and Spanish Literature.

+ Gallagher, Kevin P., Ph.D., 2002, Case Western Reserve University; Assistant Professor of Management Information Systems, Fields: Management of Information Systems, Management of Knowledge and Organizational Learning and System Analysis, Design and Implementation of Digital Information Systems, Management of Knowledge and Organizational Learning and System Analysis.

+ Gallagher, Alejandro J., Ph.D., 1989, Michigan State; Associate Professor of Middle and Secondary Education Field: Science Education.

Garcia-Roig, Lilian, M.F.A., Associate Professor of Art, Fields: Painting and Drawing.

Gardner, J. B., Ph.D., 1983, Johns Hopkins; Associate Professor of English, Fields: Victorian, Modern British and Irish, Creative Writing.

Garmestani, Hamid, Ph.D., 1989, Cornell; Associate Professor, School of Electrical Engineering, Fields: Structural Mechanics, Material Science, Composite Materials.

Garrison, Peter P., Ph.D., 1974, London; Associate Professor of History, Fields: Middle East, North Africa.

Garriga, Carlos, Ph.D., 1999, Barcelona; Assistant Professor, College of Arts and Sciences Fields: Macroeconomics, Public Finance, Financial Economics.

Garvin, Larry T., J.D., 1991, Yale; Associate Professor of Law, Fields: Contracts, Commercial Law, Law and Economics, Law and Psychology, Legal History.

Gastongayes, Joy E., Ph.D., 2002, Ohio State; Assistant Professor, Educational Leadership and Policy Studies, College of Education Fields: Intercollegiate Athletics & Higher Ed.; Grad Student Socialization into faculty role.

Gathge, John N., J.D., California at Berkeley; Associate Professor of Information Studies Fields: Information Technology and the Law, Intellectual Property Rights.

Gatzlaff, Dean D., Ph.D., 1990, Florida; Associate Professor and Chair of Risk Management/Insurance, Real Estate and Business Law Fields: Real Estate Valuation, Real Estate Investments.

Gelabert, Kate W., M.F.A., Associate Professor of Theatre, Field: Dance.

Gellately, Robert J., Ph.D., 1974, London; Earl Ray Beck Professor of History, College of Arts and Sciences Fields: European History, Terrorism & Genocide.

Genz, Marcella D., Ph.D., 1990, California at Berkeley; Assistant Professor of Information Studies Fields: Technology enabled group work and deception in Information and Management Systems Fields: Networks and Operating Systems, Especially Performance Guarantees In Wired/Wireless Networks.

Georgiev, Lubomir Z., Associate Professor of Music Field: Cello Performance.

Gerard, Gregory J., Ph.D., 1998, Michigan State; Assistant Professor of Accounting, Field: Accounting Information Systems.

Gerardo, Erasmo G., Ph.D., 1974, Wisconsin; Professor of Modern Languages and Linguistics Fields: Nineteenth Century Literature- French and Italian, Twentieth Century Italian Literature.


Gersh, Joshua N., Ph.D., 1998, Illinois at Chicago; Assistant Professor of Philosophy, College of Arts and Sciences Fields: Ethics, Value Theory, Practical Reason.

Gertz, Marc G., Ph.D., 1976, Connecticut; Professor of Criminology and Criminal Justice, Fields: Public Law/International Law, Crime Policy, Administration of Criminal Justice, Public Policy in the Criminal Justice System.

Gey, Steven G., J.D., 1982, Columbia; Professor of Law, Fields: Church and State, Civil Rights Survey, Con Law, First Amendment, habeas corpus, Injunctions, Public Interest Law.

Gielisse, Peter J., Ph.D., 1961, Ohio State; Professor of Mechanical Engineering, Fields: Materials Science, High-temperature Composite Materials, Superconducting Materials.

Gilmer, Penny J., Ph.D., 1972, California at Berkeley; Professor of Chemistry and Biochemistry Fields: Material Science, Chemical Nature of Cell-cell Recognition, Lysosomal Processing, Biodegradation of Toxic Wastes.

Giunipero, Larry C., Ph.D., 1980, Michigan State; Professor of Marketing, Field: Purchasing and Materials.


Glenn, Justin M., Ph.D., 1970, Princeton; Service Professor of Classics Fields: Classical Literature and Mythology.

Gleason, Timothy D., Ph.D., 1997, New York; Assistant Professor of Dance, Fields: Choreography Dance and Technology.

Glueckauf, Robert L., Ph.D., 1981, Florida State; Professor of Medical Humanities and Social Sciences, College of Medicine Field: Efficacy and Cost Utility of Alternative Health Delivery Systems and Behavioral Science.

Goff, C. Bryan, M.M. Professor of Music, Fields: Trumpet Performance, Brass Literature.

Goldsky, Karen L., Ph.D., 1973, North Carolina at Chapel Hill; Associate Professor and Chair, Chemistry, College of Arts and Sciences Fields: Directed Electron Transfer and Intervalance Transfer in Mixed-Valence Complexes, Chemically Coupled Electron Transfer Reactions, Electro-Psychosis.


Goldstein, Howard, Ph.D., 1980, Vanderbilt; Professor of Communication Disorders, Fields: Communication and Social Development, Language Intervention, and Developmental Disabilities.

Gomariz, Jose, Ph.D., 1997, Illinois; Assistant Professor of Modern Languages and Linguistics, Fields: Nineteenth Century Hispanic Literatures and Cultures, Caribbean Studies, Jose Marti, Modernism, the African Diaspora in the Americas, Mexican Literature and Culture, Postcolonial Theory.


Gontarski, Stanley E., Ph.D., 1974, Ohio State; Saratov State University; Associate Professor Fields: Twentieth-Century British, American, and European Literature.

Gonzalez, Anita, Ph.D., 1997, Wisconsin; Assistant Professor of Theatre, Fields: Cultural Studies, African American and Latin American Theatre, Performance, Movement, Gender Studies and Dance Studies.

Goodman, Robin T., Ph.D., 1997, New York University; Assistant Professor of English, Fields: Postcolonial Literature and Theory, Feminism, African-American Studies, Marxism.

Gopalan, Kartik, Ph.D., 2003, State University of New York; Assistant Professor of Computer Sciences, Fields: Networks and Operating Systems, Especially Performance Guarantees In Wired/Wireless Networks and Internet Services, Resource Virtualization and Provisioning, Scheduling, Routing, Systems Reliability.


Grant, John M., Ph.D., 1995, Wisconsin at Madison; Associate Professor of History, Fields: Imperial Russia, Soviet Union, Central Asia, World History, Economics and Business History.

Gravlee, Clarence C., J.D., Ph.D., 2002, Florida; Assistant Professor of Anthropology, College of Arts and Sciences Fields: Archaeology, Biocultural Anthropology, Ethnicity, Racism, Cultural Dimensions of Stress and Health, Social Epidemiology.

Gray, David G., Ph.D., 1996, Brown; Associate Professor of History, College of Arts and Sciences Fields: Early American (Colonial).

Greek, Cecil E., Ph.D., 1983, New School for Social Research; Associate Professor of History, Fields: Criminal Justice Fields: Criminology Theory, Crime and Media, Juvenile Delinquency, Distance Learning.

Green, Elana C., Ph.D., 1992, Tulane; Professor and Associate Chair and of History, Fields: New South, Women, Social Welfare.

Green, Nancy L., Ph.D., 1984, Pennsylvania; Associate Professor of Chemistry and Biochemistry Fields: Structural Biology of Pre-mRNA Splicing, RNA-RNA, RNA-Protein, RNA-Metal Ion Complexes Probed by Solution NMR and Other Spectroscopic Techniques.

Greenwood, Bonnie B., Ph.D., 1968, Florida State; Associate Dean, Human Sciences, and Associate Professor of Family and Child Sciences Fields: Higher Education, Administration and Supervision, Curriculum Development, Family Life Education.

Gregory, S. Bianne, M.M. 1969, Florida State; Associate Professor of Music, Field: Music Therapy.

Griffith, Elwin J., J.D., 1964, Brooklyn; Professor of Law, Fields: Consumer Law, Immigration Law, Law and Race.

Grindal, Bruce T., Ph.D., 1969, Indiana; Professor of Anthropology, Fields: Education, Religion, Humanism, Peace Studies, Literary Ethnography, West Africa, American South, Mexico.

Grise, Kay S., Ph.D., 1980, Tennessee at Knoxville; Associate Professor of Textiles and Consumer Sciences Fields: Physical Properties and Performance of Textiles.

Groener, Scott D., M.F.A., Assistant Professor of Art Fields:Digital Media Arts and Design.

Grunk, Frank B., Ph.D., 1998, Ohio State; Associate Professor of Electrical and Computer Engineering, Fields: Electromagnetics, Antenna Modeling, Radar Target Detection, Finite Element Analysis Methods.


Gourley, Laurie M., Ph.D., 1991, Florida; Professor of Nursing, Field: Health Promotion as it relates to Exercise, Nutrition and Obesity.

Gunderson, Frank, Ph.D., 1999, Wesleyan; Assistant Professor, School of Music Fields: Ethnomusicology.


Gussak, David E., Ph.D., 2001, Emporia State; Visiting Assistant Professor of Art Education, Field: Art Education.


Guy, Mary E., Ph.D., 1981, South Carolina; Professor of Public Administration and Policy and Jerry Collins Eminent Scholar in Public Administration Fields: Public Administration, Organizational Theory.

Hackett, Jason, Ph.D., 2000, Rutgers; Assistant Professor of Geography, Field: Urban Geography.


Hahn, Cynthia J., Ph.D., 1982, Johns Hopkins; Gulnar K. Bosch Professor of Art History, 2000

Hale, Debra L., M.F.A., Assistant Professor of Theatre, Fields: Voice and Performance

Hall, Millard W., Ph.D., 1984, Vanderbilt University; Assistant Professor of Civil and Environmental Engineering, Fields: Water Quality, Water Resources Policy, Environmental Engineering, Hazardous Waste Management

Hamill, Mary, Ph.D., 1989, California at Berkeley; Associate Professor and Chair of Special Education Fields: Early Childhood Special Education and Inclusion

Hansen, John N., Ph.D., 1964, Wisconsin; Professor of Elementary and Early Childhood Education and Practice Fields: Classroom Behavior, School Reorganization, Teacher Education, Elementary and Middle Schools

Hansen, Thomas F., Ph.D., 1997, University of Oslo; Assistant Professor of Biology Fields: Theoretical Evolutionary Biology

Hardy, Melissa A., Ph.D., 1980, Indiana University; Raymond F. Bellamy Professor of Sociology, 2000; Program Director, Pepper Institute on Aging, and Professor of Geriatrics, Medicine Fields: Aging and Life Course Studies, Economy and Society, Stratification, Quantitative Analysis

Hargreaves, Alec G., Ph.D., 1978, Sussex; Ada Belle Tremaine Scholar in French and Professor of Modern Languages Fields: Contemporary French and Francophone Studies

Harris, Bruce A., Ph.D., 2001, Michigan State; Assistant Professor of Educational Leadership and Policy Studies Fields: Economics of education

Harris, James O., M.D., 1965, Mississippi; Professor and Dean, Clinical Sciences, College of Medicine Field: Pulmonary Medicine

Harrison, Dianne F., Ph.D., 1976, Washington University; Professor of Social Work, Associate Vice-President, Bureau of Community Services Fields: Aging Studies Fields: Child Welfare, Family Social Work, Behavior Therapy, Human Sexuality

Harsayani, Janice B., M.D., 1961, Westminster Choir College of Arts and Sciences; Assistant Professor of Music Fields: Voice, Performance, Voice Literature

Hart, Robert E., Ph.D., Pennsylvania State; Visiting Assistant Professor of Meteorology, College of Arts and Sciences Fields: Tropical and Extratropical Cyclones, Synoptic Meteorology, Numerical Weather Prediction and Forecasting, Ensemble Methods and Visualization

Hart, Thomas L., Ph.D., 1974, Case Western Reserve University; Professor of Information Studies, Fields: Library Media Management, Young Adult Literature, New Media Production, Building Design, Legislation, Computer Graphics

Hartline, Michael D., Ph.D., 1993, Memphis; Associate Professor of Marketing, College of Business Fields: Marketing Fields: Customer Contact, Strategic Marketing

Hartwell, Janice E., M.F.A. Associate Professor of Studio Art, Field: Printmaking

Harvey, Bruce A., Ph.D., 1991, Georgia Institute of Technology; Associate Professor of Electrical and Computer Engineering, Fields: Wireless Communications, Data Communication

Haselbach, James R., Ph.D., 1976, Michigan State; Professor of Accounting, Field: Federal Taxation

Hassler, Laura B., Ph.D., 1993, Florida State; Associate Professor, Center for Learning Systems Institute Fields: Ed. Leadership, Assessment Student Performance, reading & Expertise

Hasson, Deborah J., Ed.D., 2001, Florida International University; Assistant Professor of Middle and Secondary Education Fields: Teacher Education and English Language Learners, Bilingual Education and Second Language Acquisition, Native Language Preservation and Support, Biliteracy, Models in Second Language Teacher Education, Family Literacy

Hawkes, Lois W., Ph.D., 1977, London; Professor of Composition and Rhetoric Fields: Fault Tolerance, Computer Theory, Intelligent Tutoring Systems

Hawkins, Hunt, Ph.D., 1976, Stanford; Professor and Chair of English Fields: Twentieth Century British Literature, Post-colonial Literature in English, Creative Writing

Hay, Carter H., Ph.D., 1999, Texas; Visiting Assistant Professor of Criminology Fields: criminological theory, and community-related causes of crime and delinquency


Heald, Gary R., Ph.D., 1979, Michigan State; Theoretical Leoniger, Jr. Professor of Communication, 2001, and Associate Dean of Communication Fields: Marketing Communication and Information Systems, Interactive Media, Research Methods

Heil, Wolfgang H., Ph.D., 1970, Rice; Professor of Mathematics, Fields: Topology of 3-manifolds, Combinatorial Group Theory

Henderson, V. D., Ph.D., 2002, State University of New York; Visiting Assistant Professor of Economics Fields: Labor economics, demographic economics

Heitmeier, Jeanne D., Ph.D., 1985, Florida State; Associate Professor of Textiles and Consumer Sciences Fields: Merchandising, Social/psychological Aspects of Clothing and Textiles

Hellweg, Joseph R., Ph.D., 2001, Virginia; Visiting Assistant Professor of Anthropology, College of Arts and Sciences Fields: Religion, Islam, Christianity, Sacrifice; Performance Aesthetics, Ethnomusicology

Hensel, Paul R., Ph.D., 1995, Illinois; Associate Professor of Psychology, Fields: International Relations, Conflict

Heo, Minsok, Ph.D., 2000, Pittsburgh; Assistant Professor of Economics Fields: Microeconomics

Herrera, Robinson A., Ph.D., 1997, California-Los Angeles; Associate Professor of History, Field: Latin America

Herron, Carolyn D., Ph.D., 1977, Florida; Chair and Professor of Educational Leadership, Field: Educational Policy

Herrunkt, William Frank, Ph.D., 1968, Miami; Robert C. Gottlieb Professor of Biological Science, 2000 Field: Behavior and Migration of Marine Animals

Hillery, Richard B., Ph.D., 1969, Wisconsin; Assistant Professor of Modern Languages and Linguistics, Fields: Italian Renaissance Literature, Nineteenth Century Literature, Business--Italy.

Hillink, Edwin F., Ph.D., 1982, Yale; Associate Professor of Chemistry and Biochemistry Fields: Mechanistic Studies of Photochemical and Thermal Reactions of Organic Compounds in Solution, Visualization

Hillison, William R., Ph.D., 1977, Florida; Professor of Accounting, Fields: Auditing Theory and Application, Accounting Information Systems

Hillstone, John, Virginia Assistant Professor, Civil Engineering Fields: Optimization of groundwater; management and remediation systems; groundwater flow and contaminant transport; groundwater contamination, contaminant transport and artificial intelligence; environmental systems analysis; contaminant hydrogeology; environmental fluid mechanics; traffic noise modeling

Hinterlong, James E., Ph.D., 2002, Washington University; Assistant Professor of Social Work, Fields: Gerontology, Professional Engagement in Later Life, Social Policy Analysis, Civic Engagement, Community Development, Technology of Social Work Teaching and Research

Hironaka, Eriko, Ph.D., 1990, Brown; Associate Professor of Linguistics Fields: Algebraic Geometry, Law-dimensional Topology

Hirsch, Adam J., J.D., 1982, Yale; David M. Hoffman Professor of Law, 2002 Fields: Gratuity Transfers, Legal History

Hochwarter, Wayne A., Ph.D., 1993, Florida State; Associate Professor of Management, College of Business Fields: Social Influence in Organizations, Motivational Workplace Cynicism, Job Stress and Measurement

Hodges, Anne R., D.M., 1992, Florida State; Program Director of Music, Field: Music Administration

Hocking, Clark, Michigan; Professor of Music, Fields: Accompanying, Vocal Coaching

Hofaker, Charles F., Ph.D., 1982, California at Los Angeles; Professor of Marketing, Fields: Mathematical Choice Models, Marketing Research, Pricing Decisions

Hoffman, James J., Ph.D., 1988, Nebraska; Professor of Management, Fields: Strategic Management, Strategic Behavior

Holcombe, Randall G., Ph.D., 1976, Virginia Polytechnic Institute and State University; Professor of Economics, Fields: Public Finance, Public Choice


Holle, Patricia J., Ph.D., 1986, Cornell University; Associate Professor of Mechanical Engineering, Fields: Nonlinear Dynamics, Computer Aided Design, and Robotics

Holtfreter, Kristy L., Ph.D., 2004, Michigan State; Assistant Professor of Psychology and Criminal Justice Fields: white-collar crime and fraud, organizations, gender and crime, and correctional programming

Holton, Robert A., Ph.D., 1971, Florida State; Matthew Suffixness Professor of Chemistry and Biochemistry, 2000; Distinguished Research Professor, 1999-2000 Fields: Synthetic Organic, Organometallic, and Bioorganic Chemistry Total Synthesis of Natural Products

Holzman, Bruce, D.M.A., Associate Professor of Music, Field: Guitar

Holts, Charles E. M.F.A., 1973, Washington University. Associate Professor of Studio Art, Field: Sculpture

Hon, Mark W., Ph.D., 2002, Ohio State; Assistant Professor, Geography, College of Social Sciences Fields: urban transportation, Geographical Information Systems

Horward, Donald D., Ph.D., 1962, Minnesota; Professor of History and Ben Weider Eminent Scholar in Napoleonic and French Revolutionary Studies, Distinguished Teaching Professor, 1989-1990 Fields: History of France, Napoleon

Hoek, D. W., Ph.D., 1995, Penn State; Associate Professor of Communication, Fields: Rhetorical Criticism and Theory, American Public Address, the Rhetoric of War

Houle, David C., Ph.D., 1988, State University of New York; Professor of Biophysical Science, College of Arts and Sciences Fields: Evolutionary Genetics, Sexual Selection, Mutation, Genotypephenotype Map

Houp, Thomas A., Ph.D., 1991, Harvard; Associate Professor of Biological Science, College of Arts and Sciences Fields: The biological basis of social behavior, the evolution of cooperation, especially learned taste aversions, and the neural effects of magnetic fields

Huang, Qingsong, Ph.D., 1992, Massachusetts Institute of Technology; Associate Chair and Associate Professor, Mechanical Engineering Fields: Ceramic Processing & Characterization, High Temperature Solid Oxidation

Hsieh, Yun-Hwa P., Ph.D., 1987, Florida State; Visiting Professor of Nutrition, Food and Exercise Sciences Fields: Antibody development and immunoassay, rapid detection for food quality and safety, functional food research

Hu, Shouting Ph.D., 2000, Indiana University; Associate Professor, Educational Leadership and Policy Fields, College of Education Fields: Higher Ed. Policy, College Students, Research Methods

Huang, Wenrui, Ph.D., 1993, Rhode Island; Visiting Assistant Professor of Civil and Environmental Engineering, Fields: Hydraulics, Hydrology, Estuarine and Coastal Modeling and Engineering

Huckaba, Sam W., Ph.D., 1986, Purdue; Professor and Chair of Mathematics Fields: Commutative Algebra, Local Rings


Huffer, Frederick W., Ph.D., 1982, Stanford; Professor of Civil and Environmental Engineering, Fields: Geotechnical Probability, Multivariate Analysis, Partial Ordinations of Distributions, Inequalities for Tail Probabilities

Humphrey, David B., Ph.D., 1995, California-Berkeley; Professor of Finance and Fannie Wilson Smith Eminent Scholar in Banking Fields: Banking, Managerial Economics
* Humphrey, Stephen E., Ph.D., 2004, Michigan State; Assistant Professor, Management Information Systems, College of Business Admin.

* Hurdal, Monica, Ph.D., 1998, Queensland University of Technology; Assistant Professor of Mathematics, College of Arts and Sciences Fields: Biomedical Mathematics, Skill Mathematical Visualization, Applied Mathematics, Computational Mathematics.

* Hurt, Myra M., Ph.D., 1981, Tennessee; Associate Dean and Professor of College Medicine Field: Molecular Medicine.


* Hyson, Richard L., Ph.D., 1985, Colorado; Professor of Psychology, College of Arts and Sciences Fields: Neural Development and Plasticity.


* Iceman, Joe D., Ph.D., 1977, North Carolina at Chapel Hill; Associate Dean, College of Business, and Associate Professor, Accounting Fields: Financial Accounting, Governmental Accounting.


* Inwold, Charles H., Ph.D., 1980, Pittsburgh; Chair and Professor of Sport Management, Recreation Management and Physical Education Fields: Teacher Behavior, Skill Analysis, Curriculum.


* Irvin, Judith L., Ph.D., 1980, Florida State; Professor of Educational Leadership, Fields: Educational Administration and Teacher Education.


* Jackson, E. Newton, Jr., Ph.D., 1995, New Mexico; Assistant Professor of Sport Administration, Fields: Intercollegiate Sport, Governance, Sport in the Media, and Management.

* Jackson, Robert A., Ph.D., 1994, Indiana University; Associate Professor of Political Science, Fields: American Politics, Political Behavior.

* Jacobs, R., Ph.D., 1999, Queen’s University of Belfast; Assistant Professor of Geography, Fields: Geographical Information Systems, Cognitive Mapping, Geographies of Blindness.

* Jakubowski, Elizabeth Henderson, Ed.D., 1988, Georgia; Associate Dean, College of Education, and Assistant Professor, Centers for Mathematical and Educational Fields: Mathematics Education, Elementary/Middle School Mathematics, Teacher Education.

* James, Jeffrey D., Ph.D., 1997, Ohio State; Associate Professor, Sport Management, Recreation Management and Physical Education, College of Education.

* James, Patricia, Ph.D., Maryland; Professor of Political Science, Field: International Relations.

* Jenks, Frederick L., Ph.D., 1971, Wayne State; Service Professor of Middle and Secondary Education Field: Sciences.

* Johnson, David F., Ph.D., 1993, Cornell; Associate Professor of English, Field: 19th and 20th century literature.

* Johnson, David J., Ph.D., 1973, Texas; A&M; Professor of Sport Management, Recreation Management and Physical Education Fields: Educational Administration, Fitness Education.

* Johnson, James Franklyn, Ph.D., 1989, California at Riverside; Associate Professor of Psychology, Fields: Development of Brain and Behavior, Regulation of Neural Systems, and Sex Differences in Neural Structure.

* Johnson, Suzanne B., Ph.D., 1974, State University of New York at Stony Brook; Professor and Chair of Human Development and Social Sciences Field: Behavioral Science.

* Joiner, Thomas E., Jr., Ph.D., 1993, Texas at Austin; Bright-Burton Professor of Psychology Fields: Interpersonal and Cognitive Causes, Correlates, and Consequences of Depression, Bulimia Nervosa, and Anxiety Disorders, the Nature and Treatment of Suicide.

* Jolles, Adam D., Ph.D., 2002, Chicago; Assistant Professor of Information Technology Fields: 19th & 20th Century European Art and History of Photography.


* Jones, Maxine D., Ph.D., 1982, Florida State; Professor of History, Fields: Nineteenth - Century United States, Black History.

* Jordan, Dale F., B.F.A., Professor of Theatre.


* Jordan, Rodney B., B.A., Assistant Professor of Music Fields: Music Education, Jazz Studies.

* Jorgensen, Peter E., Ph.D., 2002, Buffalo; Assistant Professor, School of Information Studies Fields: Non-Line.

* Josserand, J. Kathryn, Ph.D., 1983, Tulane; Associate Professor of Anthropology, Fields: Anthropology, Linguistics, Geography, Mexico and Central America; Maya Landscapes.


* Kabbaj, Mohamed, Ph.D., 1997, University Bordeaux II, France; Visiting Assistant Professor of Biomedical Sciences, Medicine Fields: Medical Physics.

* Kahl, Aline V., Ph.D., 1996, Virginia; Assistant Professor of Religion, Fields: Religion and Ethics, Critical Moral Theology, Gender Studies, Medical Ethics.

* Kalu, Eric E., Ph.D., 1991, Texas A&M; Assistant Professor of Chemical Engineering, Fields: Electrocatalysis, Process Chemical, Ethylene.

* Kalu, Peter N., Ph.D., 1986, London; Associate Professor of Mechanical Engineering, College of Engineering Fields: Material Science, Texture and Microstructure, Micromechanics of Deformation and Fracture, Recrystallization.


* Kaminsky, Stuart M., Ph.D., 1971, Northwestern; Professor of Motion Picture, Television, and Recording Arts and Sciences, Graduate Film Conservatory, Fields: Screenwriting, Film History and Criticism, Directing, Genre Studies, Narrative Writing (Short Story and Novel).


* Karasanta, Elena, Ph.D., 1999, Minnesota; Assistant Professor of Management Information Sciences Fields: Technology Adaptations, Media Choice, Cross-Cultural Impacts.

* Karioth, Sally J., Ph.D., 1977, Florida State; Associate Professor of Nursing, Fields: Family and Community Nursing, Grief Therapy.

* Kaschak, Michael P., Ph.D., 2003, Wisconsin at Madison; Visiting Assistant Professor of Psychology, College of Arts and Sciences Fields: Language Processing and Comprehension.

* Kavka, Martin T., Ph.D., 1980, Rice; Assistant Professor of Media and Culture, Fields: Modern European and American Jewish Thought, Post-Holocaust Thought, Postmodern Philosophy of Religion.

* Keel, Michelle, Ph.D., 2002, Illinois at Urbana; Assistant Professor, School of Information Studies Fields: Online communities, online learning, computer-mediated communication, distributed knowledge.

* Keel, Brooks A., Ph.D., 1982, Medical College of Georgia; Professor of Biomedical Sciences and Associate Vice President for Research Field: Endocrinology.

* Keesecker, Jeffrey S., M.M., Professor, School of Music Fields: Woodwind Performance/Literature.

* Keller, John M., Ph.D., 1974, Indiana University; Professor of Business Administration, Fields: Motivation in Instructional Design, Project Management.

* Keller, Laura R., Ph.D., 1980, Virginia; Associate Professor of Biology, Fields: Molecular Genetics, Regulation of Gene Expression, Proteins Controlling Transcription.

* Keller, Thomas C.S., III, Ph.D., 1981, Virginia; Associate Professor of Biological Science Fields: Cell and Molecular Biology of the Cytoskeleton, Cytoskeletal Regulation and Energetics.

* Kelley, Colleen M., Ph.D., 1983, Stanford; Associate Professor of Communication Studies Fields: Human Memory and Cognition; Aging and Memory, Judgement.

* Kelley, Elecia N., Ph.D., 2003, Harvard; Assistant Professor of Religion, College of Arts and Sciences Fields: Disability Studies.

* Kelby, Thomas R., Ph.D., 2001, Florida State; Assistant in Criminology, Panama City Branch Fields: Crime prevention and underwater crime scene investigation.
Kelly, Donald F., Ph.D., 1970, Florida; Associate Professor of Human Services and Studies, Fields: Personality, Substance Abuse, Family Therapy, Behavior Management in Home and School.

Kelly, Steven N., Ph.D., 1993, Kansas; Associate Professor, School of Music Field: Music Education.

Kelsay, John E., Ph.D., 1985, Virginia; Richard L. Rubenstein Professor of Religion, 2000, and Chair of Religion Fields: Ethics, Islamic Studies, Western Religious Thought.


Kennedy, William L., M.M., Associate Professor of Music, Field: Jazz Studies.

Kenter, Iona, Ph.D., 1999, Ohio State; Assistant Professor of Sport Management, Recreation Management and Physical Education Field: Leadership and Organizational Theory.

Kerrevel, Alec N., Ph.D., 1987, California at Berkeley; Associate Professor of Mathematics, College of Arts and Sciences Fields: Financial Mathematics, Dynamical Systems.

Ketchen, David J., Ph.D., 1994, Penn State; Professor of Management, College of Business Field: Strategic Management.

Kiefer, Douglas, Associate in Motion Picture, Televising and Recording Arts, Fields: Cinematography.

Kim, Hee Min, Ph.D., 1990, Washington University in St. Louis; Professor of Political Science, College of Sociology and Social Work; Comparative Politics, Political Economy and Public Policy, Formal Theory and Methodology.


Kim, Kwang Y., Ph.D., 1986, Texas A&M; Associate Professor of Meteorology, Field: Climatology.

Kim, Kyunghee, Ph.D., 2002, Rutgers; Assistant Professor, School of Information Studies Fields: Human Information Behavior, Digital Libraries.

Kimbrell, James H., Ph.D., 1999, Missouri; Assistant Professor in English, Field: Creative Writing (poetry).

Kinni, Kenneth R., Ph.D., 1999, Georgia; Assistant Professor of Textiles and Consumer Sciences Fields: International Trade of Apparel and Interior Products, Consumer Behavior.

Kinloch, Graham, Ph.D., 1968, Purdue; Associate Dean for Academic Affairs, and Professor of Sociology; Professor of Sociology, 1989-1998; Sociology Fields: Nineteenth-Century American Literature, Contemporary Literature, Creative Writing.

Kish, Stephen A., Ph.D., 1982, New York; Associate Professor and Chair of Geological Sciences Fields: Igneous and Metamorphic Petrology, Isotope Geology, Economic Geology.

Kistner, Janet A., Ph.D., 1981, State University of New York at Buffalo; Professor and Chair of Psychology Fields: Learning and Behavior Problems of Children, Problematic Social Interactions of Children, Resiliency to Failure.

Kite-Powell, Jeffery T., Ph.D., 1976, University of Pittsburgh; Professor of Music, Fields: Musicology, Music Literature, Early Music.

Klassner, Eric P., Ph.D., 1987, Cornell; Professor and Associate Chair, Mathematics, College of Arts and Sciences Fields: Topology and Geometry of Three- and Four-dimensional Manifolds, Knot Theory, Riemannian Surfaces, Representation Theory, Gauge Theory.

Klett, Edward C., M.D., 1976, Loma Linda University, Professor of Medicine Field: Pathology.

Klay, Frédéric, 1974, French Literature; Professor of Public Administration and Policy Studies, College of Social Sciences Fields: Policy Development, Budgeting and Financial Administration, Personnel and Labor Relations.
* Lee, Susan J., Ph.D., 2002, Michigan; Assistant Professor of Art History, School of Visual Arts and Dance Field: Art History, Konrad Adenauer Fellow.

Lee, Tahvir V., J.D., 1989, Yale; Associate Professor of Law, Fields: Chinese Law, Chinese Legal History, Comparative Law, Civil Procedure.

Leib, Jonathan E., Ph.D., 1992, Syracuse; Associate Professor of Geography, Fields: Political Geography, Elections, Redistricting, Race, Political Representations of the South.

Loparo, K. F., Ph.D., 1985, Stanford; Associate Professor in Minateer Letteracie, 1980, Salerno, Italy; Professor of Modern Languages and Linguistics, Field: Modern Italian Literature.

Leszczynska, Danuta, Ph.D., 1978, Technical University of Wroclaw; Associate Professor of Civil and Environmental Engineering, Field: Environmental Engineering.

Leuschner, Reinier, Ph.D., 2000, Princeton; Assistant Professor of Modern Languages, College of Arts and Sciences Fields: Sixteenth-Century French and Italian Literature.

Levenson, Cathy W., Ph.D., 1993, Chicago; Associate Professor of Nutrition, Food and Exercise Science, Fields: Nutrient Regulation of Gene Expression, Molecular Regulation of Trace Mineral Metabolism.


Levitan, Don R., Ph.D., 1989, Delaware; Associate Professor of Biological Science, Field: Evolutionary Ecology and Population Biology of Marine Invertebrates.

Levitt, Morton H., M.D., 1972, Duke; Faculty Administrator, Academic Administrator and Associate Professor of Biomedical Sciences Field: Pathology.

Lewis, Sandra, Ed.D., 1993, California at Berkeley; Associate Professor of Special Education Fields: Education of Visually Impaired and Blind Individuals, Service Delivery, Public Policy.


Li, Hong, Ph.D., 1994, Rochester; Assistant Professor of Chemistry and Biochemistry Fields: X-ray Crystallography, Molecular Principles of Protein and RNA Interactions, Gene Expression and Splicing, Biophysical Studies of Impaired Individuals, Service Delivery, Public Policy.

Li, Hui, Ph.D., 2000, Tennessee; Visiting Assistant Professor of Electrical and Computer Engineering Fields: Power Electronics, Drive Control, Modeling and Simulation of Control System.

Li, Huijun, Ph.D., 2003, Arizona; Visiting Assistant Professor of Educational Psychology, College of Education.

Li, Lei, Ph.D., 1998, California at Berkeley; Assistant Professor of Statistics, Fields: Application of Statistics to Genetics and Biology, Time Series Analysis, Model Selection.

Li, Spencer D., Ph.D., 1996, Illinois; Assistant Professor of Criminology, Fields: crime and informal social control, religion, status and national identity, juvenile delinquency and youth status attainment, quantitative methodology, and psychology of crime.

Liang, Zhiyong, Ph.D., 2000, Beijing University of Aeronautics; Visiting Associate Professor of Industrial Engineering, Fields: Nonutube-based Components, Liquid Composite Molding (LCM) Technologies and Processing Modeling, Macro and Micro Structure Characterization of Composite Materials, Multifunctional Composites, Composite Tooling and Moldings.

Licht, Barbara G., Ph.D., 1980, Illinois at Urbana-Champaign; Associate Professor of Psychology, Fields: Motivational Problems of Learning Disabled and Other Exceptional Students, Maternal Determinants of Sex Differences in Achievement, Promoting Participation in Physical Exercise.

Licht, Mark H., Ph.D., 1980, Illinois at Urbana-Champaign; Associate Professor of Psychology, Fields: Clinical Psychology, Developmental Psychology, Treatment in Residential Settings (e.g., mental hospitals), Psychological/Behavioral Assessment and Measurement, Psychosocial Treatment of Adult Populations, Cognitive Applications in Mental Health Research and Services.

Lick, Dale W., Ph.D., 1965, California at Riverside; Professor of Educational Leadership, Learning Systems Engineering, Byrd Organizational Change, Transformational Leadership, Learning Organizations, Mathematics.

Lind, David M., Ph.D., 1986, Rice; Associate Professor of Political Fields: Experimental Physics, Surfaces, Thin Films, Magnetic Properties of Solids.

Lindblom, Terri L., M.F.A., Associate Professor of Art, Field: Sculpture.

Liu, Guosheng, Ph.D., 1990, Nagoya University; Associate Professor of Meteorology, Fields: Radiative Transfer, Satellite Remote Sensing, and Applications of Satellite Measurements to Weather Forecasting and Climate Research.


Lloyd, Barry W., Ph.D., 2000, Toronto; Assistant Professor of Sociology and Courtesy Assistant Professor of Medicine Fields: Mental Health, Alcohol and Drug Policy, Addictions Research.


Logan, Timothy M., Ph.D., 1991, Chicago; Associate Dean and Associate Professor of Chemistry and Biochemistry Fields: Protein Structural Biology; Glycosylated Protein Structure and Function; Protein Dynamics in Catalysis; High Resolution NMR Spectroscopy.


Long, Timothy R., B.A., Assistant in Film, School of Motion Picture, Television, and Recording Arts Field: Director of Production Specialist.

Longian, Christopher J., Ph.D., 1991, State University of New York at Stony Brook; Professor of Psychology, College of Arts and Sciences Fields: Clinical Psychology, Developmental Psychopathology, Emotional and Motivational Influences on the Development of Psychopathology, Early Intervention (language/ literacy) and Cognitive Behavioral Interventions for Developmental Disorders in Children, Language Acquisition, Language and Behavior Disorders of Childhood.

Loeb, John M., Ph.D., 1973, Michigan; Associate Professor of Educational Research, Fields: Sex Roles and Gender, Statistics and Methods, Social Psychology.

Lottmacher, Edmund B., Ph.D., 1991, State University of New York at Stony Brook; Professor of Psychology, College of Arts and Sciences Fields: Clinical Psychology, Developmental Psychopathology, Emotional and Motivational Influences on the Development of Psychopathology, Early Intervention (language/literacy) and Cognitive Behavioral Interventions for Developmental Disorders in Children, Language Acquisition, Language and Behavior Disorders of Childhood.

Louden, John M., Ph.D., 1980, Brown; Visiting Associate Professor, Classics, College of Arts and Sciences Fields: Greek & Roman historiography and rhetoric.


Lynn, Susan K., Ph.D., 1989, South Carolina at Columbia; Associate Professor of Sport Management, Recreation Management, and Physical Education Field: Physical Education.

Ma, Teng, Ph.D., 1991, Ohio State; Assistant Professor of Chemical Engineering, Fields: Cell and Tissue Engineering.


Macesich, George, Ph.D., 1958, Chicago; Professor of Economics Fields: Monetary Theory and Policy, Comparative Systems with Emphasis on Europe (and East Europe in particular).


Maddox, Martha K., M.S.W., Director of Undergraduate Program and Associate Professor of Social Work Fields: Clinical Social Work in Health Care Settings, Health Policy, Aging.


Madsen, Clifford K., Ph.D., 1963, Florida State; Professor of Music, Alumni Professor, Robert O. Lawton Distinguished Teaching Professor, 1988-1989, Distinguished Teaching Professor, 1989-1990 Fields: Music Therapy, Music Education.

Maestas, Cherrie D., Ph.D., 2000, Colorado; Assistant Professor, Political Science, College of Social Sciences Fields: American Politics.

Magnan, Jerry F., Ph.D., 1979, Miami; Associate Professor of Mathematics, and Scholar/Scholar: Science, Mathematics, Information Science and Technology Fields: Bifurcation Theory, Parallel Computing.

Maier-Katkin, Birgit, Ph.D., 1998, Pennsylvania State; Assistant Professor of Modern Languages, College of Arts and Sciences Fields: Late 19th and 20th Century German literature, Gender and Cultural Studies.

Maier-Katkin, Daniel J., Ph.D., 1968, Columbia University; Dean and Professor of Criminology and Criminal Justice, Fields: Criminology and Criminal Law, Law and Society, Crime and Delinquency/ Juvenile Justice.

Maner, Jon K., Ph.D., 2003, Arizona State; Visiting Assistant Professor of Psychology, College of Arts and Sciences Fields: Relationship Between Motivation, Emotion, and Social Cognition.

Manousakis, Efstathios, Ph.D., 1985, Illinois at Urbana-Champaign; Professor of Physics, and Scholar/Scientist, College of Arts and Sciences Fields: Biochemical Science and Information Technology Fields: Theoretical Physics; Condensed-Matter Physics, Many-Body Theory, Superfluidity, Superconductivity.


Maroney, Patrick F., Ph.D., 1985, Brown; Visiting Associate Professor, Classics, College of Arts and Sciences Fields: Greek & Roman historiography and rhetoric.


Marquis, Milton H., Ph.D., 1985, Indiana University; Professor of Economics, Fields: Monetary Economics, Econometrics.

Marzian, Rochelle A., Ph.D., 1975, Florida; Associate Professor of Anthropology, Fields: Prehistoric and Historic Archaeology, Method and Theory in Archaeology, Zoarcology, Southeastern United States and Caribbean.


+ Martin, Lanny W., Ph.D., 2000, Rochester; Assistant Professor of Political Science, Fields: Comparative Politics, Political Methodology.

+ Martin, Mary L., 1981, Oklahoma; Assistant Professor, Middle and Secondary Education, College of Education Social Science Education

+ Martin, Patricia Y., Ph.D., 1969, Florida State; Professor of Sociology, Alumni Professor Fields: Sociology of Organizations, Sociology of Gender, Sociology of Work, Field Research Methods.

+ Martinko, Mark J., Ph.D., 1977, Nebraska; Professor of Management, Fields: Organization Behavior, Research Methods, Behavior Management, Leadership.

+ Marty, Eric F., Ph.D., 2002, Illinois at Urbana-Champaign; Assistant Professor, School of Information Studies Fields: Museum informatics, computer-supported cooperative work, information behavior, and usability research.


+ Maslen, Ceiddwen A., Ph.D., 1996, Princeton; Assistant Professor, Philosophy of Science, College of Arts and Sciences Fields: Metaphysics, Philosophy of Science.

+ Mason, Katherine Pieper, Ed.D., 1984, Florida; Dean, School of Nursing, and Professor of Nursing Fields: Public Health

+ Mason, Patrick L., Ph.D., 1991, New School of Social Research, New York; Associate Professor and Director, African American Studies Program Fields: Labor Economics, Political Economy.

+ Mason, Robert M., Ph.D., 1973, Georgia Institute of Technology; Professor of Business, Management Information Systems, and Strategic Management of Technology, Information Technology.


+ McClure, Charles R., Ph.D., 1977, Rutgers; Francis Eppes Professor of Information Studies Fields: Planning and Management, and Information Services, Federal Information Policy, Information Resources Management.

+ McCollum, Michael B., Associate Professor of Music, Fields: Music History, Music Theory, and Composition.

+ McCready, Samuel M., Ph.D., 2003, Virginia Polytechnic Institute and State University; Visiting Assistant Professor, Public Administration and Policy, College of Social Science, Fields: Health Policy, public management, information technology

+ McCulough, Kathryn A., Ph.D., 2000, University of Georgia; Assistant Professor of Risk Management and Insurance Fields: Enterprise risk management, mergers and acquisitions in the financial services industry, and regulation of insurance services.

+ McCoy, Edward D., Ph.D., 1984, York University; Assistant Professor and Chair of Communication Fields: Communications Policy, New Technologies, International Communication.

+ McDiffie, Ernest L., Ph.D., 1995, Florida Institute of Technology; Assistant Professor of Computer Science, Fields: Applied and Theoretical Artificial Intelligence, Expert Systems, and Neural Networks, Knowledge Engineering, Temporal Reasoning, and Data Mining.


+ McGe, Daniel L., Ph.D., 1978, John Hopkins; Professor of Statistics, Fields: Epidemiology Analysis, Prognostic Models, Clinical Trials, Cardiovascular Epidemiology

+ McGregor, Jerrilyn, Ph.D., 1992, Pennsylvania; Associate Professor of English Fields: Folklore, African American Literature.

+ McHugh, William F., J.D., 1959, Union University-Albany Law School; Professor of Law, Field of Arbitration, Contracts, Employee Rights, and Employment Discrimination, Private Labor Law, Public Sector Labor Law.


+ McLaren, Peter G., Ph.D., 1986, Australian National University; Professor of Computer Science, Fields: Image Processing, Neural Networks, and Digital Signal Processing.

+ McAuliffe, Frances K., Ph.D., 1979, Yale; Associate Professor of History, College of Arts and Sciences Fields: French Revolution, European Enlightenment, Intellectual and Cultural

+ McNab, David A., B.Phil., 1970, Magdalen; Professor of Philosophy, College of Arts and Sciences Fields: Ethics, 18th-Century British Moral Philosophy, Philosophy of Religion.


+ McReynolds, John S., Ph.D., 1985, Kansas; Professor of Art Education and Dean of Visual Arts and Dance Fields: Art Education, Aesthetics.


+ McConnell, Michael B., Associate Professor of Music, Fields: Music History, Music Theory, and Composition.

+ Meacham, Lanny W., Ph.D., 1974, Pennsylvania; Professor of Biological Science, Fields: Sensory Physiology, Chemical Communication.

+ Messer, Trajo V., Ph.D., 1995, University of Bristol; Associate Professor of Geography, College of Social Science Fields: Remote Sensing, Geographical Information Systems.

+ Mesterton-Gibbons, Mike, Ph.D., 1977, Oxford; Professor of Mathematics, Fields: Game-Theoretic and Stochastic Modelling, Game Theory, Economics and Natural Resource Management.

+ Meyer, James B., J.D., 1983, Mercer School of Law; Associate Professor of Psychology, Fields: Law and Psychology, Psychological Ethics and Malpractice, Jury Selection, Mental Health Testimony.

+ Meyer-Baese, Anke, Ph.D., 1995, Darmstadt University; Assistant Professor of Electrical and Computer Engineering, Fields: Computer Science, Artificial Intelligence, and FPGA Synthesis, Digital Signal Processing.

+ Miles, Rebecca S., Ph.D., 1988, Cornell; Associate Professor of Urban and Regional Planning, Fields: International Development Planning, Gender and Development.

+ Miller, Thomas E., Ph.D., 1985, Michigan State; Associate Professor of Biology, Fields: Plant Evolutionary Biology and Community Ecology.


+ Mistry, Anahita M., Ph.D., 1986, University of Hyderabad; Assistant Professor of Nutrition, Food, and Exercise Sciences, Fields: Neuroendocrine Regulation of Energy Balance, and Gene-nutrition Interactions, Prevention of Genetic and Diet-induced Obesity, Nutrition Policy.

+ Montgomery, Maxine L., Ph.D., 1997, Michigan State University; Assistant Professor of Political Science, Fields: International Relations, Political Methodology.


+ Montello, Michael J., Ph.D., 1999, Florida; Assistant Professor of Sport Management, Recreation Management and Physical Education Field: Sport Management and Recreation.

+ Montgomery, Donald W., Ph.D., 1979, Michigan; Professor of Psychology, Fields: Animal Cognition, Media, Public Opinion, Voting and Elections, Political Science, and Political Psychology.

+ Mondello, Michael J., Ph.D., 1999, Florida; Assistant Professor of Sport Management, Recreation Management and Physical Education Field: Sport Management and Recreation.

Pappamihail, Nancy E., Ph.D., 1999, Texas at Austin; Assistant Professor of Education Fields: Affective Factors in Language Acquisition, Second Language Assessment, ESL in the Mainstream.

Paradice, David B., Ph.D., 1986, Texas Tech; Chair and Professor of Information Management Sciences Fields: Application of Information Systems Technology in Support of Managerial Problem Formation and Decision-making Processes, Philosophical Bases for Organizational Knowledge Development and Management, and Information Systems Technology on Ethical Decision-making Processes.


Parker, Glenn R., Ph.D., 1973, California at Santa Barbara; Professor of Political Science, Fields: American Politics, Legislatures, Public Opinion, Political Economy.

Parker, Suzanne L., Ph.D., 1986, Florida State; Associate Professor of Political Science, Fields: American Politics, Public Opinion, Research Methods.

Parker, William C., Ph.D., 1983, University of Chicago; Associate Chair and Associate Professor of Geology, Fields: Marine Paleoecology, Carbonate Petrology.

Parkinson, William A., Ph.D., 1999, Michigan; Assistant Professor of Anthropology, Fields: Prehistoric Archaeology of Central and Eastern Europe, and the Balkans.

Parks IV, John W., D.M.A., 2001, Eastman School of Music; Assistant Professor of Music, Fields: Percussion, Percussion Literature.

Pasley, Beatrice K., Ed.D., 1974, Indiana University; Professor and Chair, Family and Child Sciences, College of Human Sciences Fields: Marital process in remarriage and stepfamilies; fathering post-divorce; father identity and involvement; best practices in family mediation; divorce education, and relationship development.

Patenaude, Elizabeth W., M.F.A., Chair and Professor of Dance, Fields: Contemporary Dance Technique and Choreography.

Patrick, Graham A., Ph.D., 1973, North Carolina at Chapel Hill; Professor of Biomedical Sciences Field: Pharmacology.

Patterson, Frank M., III, M.A., 1987, Baylor University; Professor and Dean, School of Motion Picture, Television and Recording Arts Fields: Producing, Screenwriting, Television Production, Television and Recording Arts Fields: Producing, Screenwriting, Directing, Picture, Television and Recording Arts.

Paterson, Jeffrey S., Ph.D., 1995, Georgia; Associate Professor of Accounting, Field: Tax.

Pawlak, Barbara; Professor of Political Science, Fields: Marital process in remarriage and stepfamilies; fathering post-divorce; father identity and involvement; best practices in family mediation; divorce education, and relationship development.

Peters, Elizabeth H., Ph.D. 1982, University of Florida; Associate Professor of Anthropology, Fields: Physical Anthropology, Primatology, Communication, Behavioral Evolution.

Peterson, David R., Ph.D. 1981, North Carolina at Chapel Hill; Professor of Finance, Field: Financial Institutions.

Peterson, Gary W., Ph.D., 1970, Duke University; Professor of Human Services and Studies, and Associate Dean, College of Education, Fields: Personnel Assessment, Cognitive Development, Counseling.

Peterson, Janet S., Ph.D. 1981, University of Tennessee at Knoxville; Professor of Mathematics, Fields: Art/M, M.D.E.

Peterson, William F., M.M. Associate Professor of Music, Fields: Composition, Jazz Keyboard Performance, Music Education.

Pflaum, Christopher A., Ph.D., 1992, Institute of Fine Arts; Associate Professor of Classics, Fields: Greek Art and Archaeology.

Pfeiffer, Steven J., Ph.D., 1977, North Carolina; Professor of Educational Psychology, College of Education.

Phillips, Patricia H., M.F.A., Professor of Dance, School of Visual Arts and Dance Field: Reconstruction Notation.

Piazza, Carolyn L., Ph.D. 1981, University of Pittsburgh; Associate Professor of Educational Theory and Practice, Fields: Language and Literacy Education, Written Composition.

Picart, Caroline Joan S., Ph.D. 1996, Penn State University; Associate Professor of English, Fields: Literature, Philosophy, Film, Critical Theory and Women's Studies.

Pickrewicz, Jorge, Ph.D. 1985, University of Pennsylvania; Associate Professor of Physics, Fields: Theoretical and Computational Nuclear Physics.

Piersol, Jon R., Ph.D. 1972, University of Iowa; Dean and Professor of Music Fields: Wind Literature, Development of music education.

Pietrafitta, Mark F., Ph.D. 1983, University of California at Berkeley; Victor Oelschlagler Professor of Modern Languages, 2000, and Chair of Modern Languages and Linguistics Field: Twentieth-century Italian Novel.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.

Pignatiello, Joseph J., Jr., Ph.D. 1982, Ohio State University; Associate Professor of Industrial Engineering, Field: Industrial Engineering.
Rutkovsky, Paul, M.F.A. Associate Professor of Studio Art, Field: Electronic Media.


Saladin, Linda A., Ph.D. 1985, University of California at Irvine. Associate Professor of English, Fields: Literary Theory, Gender Studies.


Saltiel, Jack, Ph.D. 1964, California Institute of Technology. Professor of Chemistry and Biochemistry Fields: Chemistry, Pharmacology of Protein and DNA, Biochemical Basis of Angiogenesis, Molecular Carcinogenesis and Mechanisms of Cancer Invasion and Metastasis; Biochemistry, Molecular Biology, Protein and DNA, Gene Expression and Molecular Signals, Biomarkers for Cancer and Cardiovascular Diseases.


Sandifer, James R., B.A. Associate Professor of Dance, Fields: Dance Theatre Production and Design.

Sang, Qing-Xiang, Ph.D., 1990 Georgetown; Associate Professor, Chemistry and Biochemistry, College of Arts and Sciences Fields: Protein Chemistry, Enzymology, Molecular Biology, and Biochemistry, Molecular Basis of Angiogenesis, Molecular Carcinogenesis and Mechanisms of Cancer Invasion and Metastasis; Biochemistry, Molecular Biology, Protein and DNA, Gene Expression and Molecular Signals, Biomarkers for Cancer and Cardiovascular Diseases.


Schefs, Marten K., Ph.D. 1999, Illinois at Urbana-Champaign. Associate Professor of Psychology Fields: Cognitive Neuroscience of Executive Control.

+ Schlenoff, Joseph, Ph.D. 1986, University of Massachusetts, Amherst. Professor of Chemistry and Biochemistry: Research Focuses on Design and Characterization of Electrically Conductive Polymers and Ceramics, Electrochemical Polymerization Properties of Superconducting Oxides.


+ Schmidt, Norman B., Ph.D. 1991, Texas; Professor of Psychology, College of Arts and Sciences Fields: Experimental Psychology.

+ Schneider-Muntau, Hans J., Ph.D. 1984, University of Konstanz. Professor of Mechanical Engineering and Associate Director. Fields: Mechanical Engineering.


+ Siebert, Darcy C., Ph.D. 2001, University of North Carolina; Assistant Professor of Social Work, Fields: Professional Issues, Social Work Services in the Workplace, Technology in Social Work Practice and Research, Alcohol and Other Drug Use, Role Identity Theory.


+ Simons, Anthony, M.F.S. Associate Professor of the Film, Fields: Acting, Stage Lighting and Directing.


+ Singh, Bawa Satinder, Ph.D. 1966, University of Wisconsin. Professor of History, Field: India.


+ Sirmans, George Stacy, Ph.D. 1980, University of Georgia. Professor of Risk Management/Insurance, Real Estate and Business Law Field: Real Estate Finance.

+ Slaveva-Griffin, Svetoslava E., Ph.D. 2000, University of Iowa. Assistant Professor of Classics. Fields: Greek Philosophy, Neoplatonism, Literary Tradition, Development of Literary Expression of Philosophical Concepts.


+ Smith, Dale L., Ph.D. 1987, Massachusetts Institute of Technology. Chair and Associate Professor of Political Science, Fields: International Politics, Statistical Analysis, Computer Technology, Model Building.


+ Southold, Michael P., J.D. 1966, University of Wisconsin School of Law. Associate Professor of Law, Fields: Statutory Interpretation, Conflicts of Laws, Law and Literature, Writing Skills.


+ Spraoy, Mark A., Ph.D. 2002, Michigan State; Assistant Professor of Political Science Fields: International Relations.


+ Speake, Diane L., Ph.D. 1986, University of Texas. Associate and Dean of Nursing Fields: Adult Health, Aging.

+ Speer, Kevin G., Ph.D. 1988, Massachusetts Institute of Technology. Professor of Physics, College of Arts and Sciences Fields: Deep Ocean Circulation, Observations & Dynamics; Water Mass Formation, Thermocline Flow, Hydrothermal Sources & Circulation.

+ Spencer, Peter, D.M.A. 1971, University of West Virginia. Professor of Music, Field: Theory.


+ Stair, Ralph M., Jr., Ph.D. 1974, University of Oregon. Service Professor of Management Information Sciences Fields: Information Requirements Analysis, Strategic Use of Technology.

+ Stallings, Jon A., Ph.D. 2000, University of Georgia. Assistant Professor of Geography, Fields: Biogeography, Global Warming, Environmental Field Methods.


+ Stanley, Patricia H., Ph.D. 1975, University of Virginia. Professor of Modern Languages and Literatures, Fields: Contemporary and Nineteenth-century German Literature, Literature of the Absurd, Relation between Literature and Music, Women's Issues.

+ Stanton, Jeffrey K., Ph.D. 1979, Washington in St. Louis; Assistant Professor of Political Science, College of Arts and Sciences Fields: Political Science.


+ Steadman, Sherry C. Ph.D. 2004, University of Michigan Visiting Assistant Professor, Middle and Secondary Education, College of Education English and Languages.


+ Stec, David J., Ph.D. 1982, University of Wisconsin at Madison. Professor of Family Medicine Fields: Medical Education.

+ Stenberg, Benno, Ph.D. 1991, Florida State University. Assistant Professor of Biomedical Sciences Field: Molecular Biology.

+ Steinberg, Phillip E., Ph.D. 1996, Clark University. Associate Professor of Geography, College of Arts and Sciences Fields: Politics of the Environment, Oceans.

+ Steinbock, Oliver, Ph.D. 1993, Georg-August-Universität Göttingen (Germany). Associate Professor of Chemistry and Biochemistry Fields: Kinetics, Experimental and Theoretical Studies of Nonequilibrium Systems, Chemical Self-organization.


Underwood, Nora C., Ph.D., Duke; Assistant Professor of Biological Science. Fields: Spatial and temporal population dynamics, ecology and evolution of arthropods and their associated microorganisms.

Upchurch, Jr., Charles J., Ph.D., Rutgers; Assistant Professor of History, College of Arts and Sciences Fields: Britain, British Empire, Gender and Sexuality.


Van Heeren, John W., LL.B. 1959, Yale University. School of Law. Professor of Law, Fields: Property, Jurisprudence, Comparative Law.


Van Seiver, Steven W., Ph.D., 1976, University of Washington. Professor of Mechanical Engineering and Distinguished Research Professor, 1996-1997, and Program Director, National High Magnetic Field Laboratory: Cryogenics and Heat Transfer.

Van Weelden, Kimberly D., Ph.D. 2000, University of Arizona. Assistant Professor of Music. Field: Music Education.

Van Winkle, David H., Ph.D. 1984, University of Colorado at Boulder. Associate Professor of Visual Arts and Dance Fields: Art Museum Education, Inquiry-Based Art Education.

Vinals, Jorge, Ph.D. 1983, Barcellona. Program Director, Institute of Computational Science and Information Technology, and Associate Professor of Chemical Engineering Fields: Pattern Formation, Instabilities, Phase Transitions.

Vinton, Linda S., Ph.D. 1987, University of Wisconsin; Professor of Social Work Fields: Aging, Domestic Violence.

Vilkin, Orthodox H. D. 1992, Columbia University; Associate Professor of English. Field: Renaissance Literature.

Volga, Alexander S., Ph.D. 2000, Michigan State; Assistant Professor of Physics, College of Arts and Sciences Fields: Neuronal and Hormonal Functions of Social Behavior.


Ward, Dorothy H. B. 1992, University of Alabama; Assistant Professor of English, College of Arts and Sciences Fields: 18th-Century British Literature, Early Women’s Fiction, 18th-Century Anglo-Caribbean Studies.


Warren, Nancy B., Ph.D., 1997, Indiana; Assistant Professor of English, College of Arts and Sciences Fields: 19th-Century British Literature, Early Women’s Fiction, 18th-Century Anglo-Caribbean Studies.

Warren, Nancy B., Ph.D., 1997, Indiana; Assistant Professor of English, College of Arts and Sciences Fields: 19th-Century British Literature, Early Women’s Fiction, 18th-Century Anglo-Caribbean Studies.

Wasko, Molly M., Ph.D. 2002, University of Minnesota. Assistant Professor of Information Systems Fields: Networks of Practice, Intersection of Strategic Resources and IT, Knowledge Management.


Weatherspoon, Mark H., Ph.D., 2002, South Florida; Assistant Professor of Electrical and Computer Engineering.

Weiss, Martin H., Ph.D., 1996, Leiden; Associate Professor of Statistics, College of Arts and Sciences Fields: Classification, Empirical Process Theory, Function Estimation, Model Selection and Aggregation.

Weidner, Donald J., J.D. 1969, University of Texas. Dean and Professor of Law Fields: Property, Partnership Tax, Real Estate Transactions, Agency Law.


Walker, Shonda L., Ph.D. 2003, Florida State; Assistant Professor of Sport Management, Recreation and Physical Education, College of Education Field: Teacher Education.


Wang, Qi, Ph.D. 1994, Ohio State University. Professor of Mathematics, College of Arts and Sciences Fields: Applied Mathematics, Computational Mathematics, Fluid Dynamics.

Wang, Yang, Ph.D. 1995, Louisiana State University; Associate Professor of Mathematics, College of Arts and Sciences Fields: Applied Mathematics, Computational Mathematics, Fluid Dynamics.

Wang, Yang, Ph.D. 1992, Utah; Associate Professor of Geological Sciences, Fields: Geochronology, Isotope Geochemistry, Global Change.

Wang, Zuo Xin, Ph.D. 1991, University of Mass.; Associate Professor of Psychology, Fields: Neuronal and Hormonal Functions of Social Behavior.

War, Cheryl A., Ph.D. 1993, Texas A&M University. Assistant Professor of Anthropology. Fields: Nautical Archaeology, Archaeobotany, Eastern Mediterranean Archaeology, Global Seafaring.

Warfield, Thomas M., Ph.D. 1985, University of California at Santa Barbara; Professor of Chemistry and Biochemistry Fields: Optical Microscopy, Fluorescence Spectroscopy, Single Molecule Fluorescence Detection, Microfluidics, Fluorescence Correlation Spectroscopy.

Wetherby, Susan E., Ph.D. 1985, University of California, Santa Barbara; Laurel L. Schendel Professor of Communication Disorders, 2000 Fields: Language Acquisition, Language Disorders Diagnosis, Neurological Disorders.


Whitney, James, IV, N.D., 2001, Case Western University Assistant Professor of Nursing Fields: Adult Health.

Wiedenhoever, Ingo L., Ph.D. 1995, University of Cologne. Assistant Professor of Physics, College of Arts and Sciences Fields: Experimental Nuclear Physics, Especially Nuclear Astrophysics.

Wiegand, Wayne A., Ph.D. 1974, Southern Illinois; Professor of Information Studies Fields: American literature, history, print culture, history, History of Reading, Library as Place, the Library and Intellectual Freedom.

Wilke, Dina J., Ph.D. 2000, University of Wisconsin. Assistant Professor of Educational Leadership, Educational Policy Studies.

Williams, Pat W., M.F.A. Professor of Art Fields: Photo-imaging, Installation, Alternative Processes, Architecture.

Winegardner, Mark D., MFA Janet G. Burroway Professor of English, 2001 Field: Creative Writing.

Wingate, Mark L., D.M.A. 1998, University of Texas. Assistant Professor of Music Field: Theory.
Distinguished Research Professors

Harper, William C., M.S., Distinguished Research Professor, 1990–1991, Professor of Studio Art (Retired)


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

Gratziade, Pasquale P., M.D., Pavia, Italy; Distinguished Research Professor, 1992–1993, Professor of Biological Science (Retired)


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

Freeeman, Marc E., Ph.D., West Virginia; Distinguished Research Professor, 1994–1995, Lloyd M. Beisler Professor of Biological Science, 2000

Owens, Joseph E., Ph.D., Tufts; Distinguished Research Professor, 1994–1995, Chair and Guenter Schwarz Professor of Physics, 2000


James, Frances C., Ph.D., Arkansas; Distinguished Research Professor, 1995–1996, Pasquale Grazidei Professor of Biological Science, 1999

Stern, Melvin E., Ph.D., Massachusetts Institute of Technology; Distinguished Research Professor, 1995–1996, V. W. Ekmann Professor of Oceanography, and National Academy of Sciences

Pfeffer, John W., Massachusetts Institute of Technology; Distinguished Research Professor, 1996–1997, Carl-Gustaf Rossby Professor of Meteorology

Jorgensen, Joseph, Ph.D., Michigan; Distinguished Research Professor, 1996–1997, Robert M. Gagne Professor of Psychology and Education, 2000, and Professor of Psychology

Van Steenhoven, A., Ph.D., Washington; Distinguished Research Professor, 1996–1997, Professor of Mechanical Engineering

Hagopian, John, Ph.D., Pennsylvania; Distinguished Research Professor, 1997–1998, Joseph E. Lannotti 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, Kashfa Professor of Chemistry

Gontarski, Stanley E., Ph.D., Ohio State; Distinguished Research Professor, 1999–2000, Sarah Hennd 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; Community Health Professor, 2000–2001, 2002 Frieden Professor of Chemistry and Biochemistry, 2002

Olsen, Dale A., Ph.D., California at Los Angeles; Distinguished Research Professor, 2000–2001, Professor of Music


Taylor, Kenneth A., Ph.D California at Berkeley; Distinguished Research Professor 2001–2002, Professor of Biological Sciences

Dalal, Nar S., Ph.D., British Columbia; Dirac Professor of Chemistry, 2001, Distinguished Research Professor, 2002–2003, and Chair of Chemistry
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
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
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, 1995–96, and Mckenzie Professor, 1986
Leach, Stephen P., Ph.D., Florida State; Distinguished Teaching Professor, 1994–1995, Assistant Scholar, Science Education Computer Science
Walker, Eric C., Ph.D., North Carolina at Chapel Hill; Distinguished Teaching Professor, 1995–1996, Associate Professor of English
Darling, C. and William M. Standley Professor of English, 2002
Goldsbry, Kenneth A., Ph.D., North Carolina; Distinguished Teaching Professor, 1997–1998, Associate Professor of English
Moore, Dennis D., Ph.D., North Carolina; Distinguished Teaching Professor, 1998–1999, Associate Professor of English
Reitman, Robert, Ph.D., North Carolina; Distinguished Teaching Professor, 1999–2000, Professor of Educational Research
Fenstermaker, John J., Ph.D., Ohio State; Distinguished Teaching Professor, 2000–2001, Donald L. Standley Professor of English, 2002
Sathe, Shambhavi A., Ph.D., Florida State; Distinguished Teaching Professor, 2002–2003, D.K. Salunke 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

DIASY 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 1985–1986, 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
Baird, 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, 1990
Bickle, R. Bruce, Ph.D., Duke; Griffith T. Pugh Professor of English, 2002
Bishop, Wendy, Ph.D., Indiana of Pennsylvania; Kellogg W. Hunt Professor of English, 2000
Blumberg, Thomas D., Ph.D., Berkeley; Sheldon L. Messinger Professor of Criminology, 2001
Bohrer, Bruce T., Ph.D., Pennsylvania; Bertram H. Davis Professor of Chemistry, 2002
Bowers, Philip L., Ph.D., Tennessee; Dwight B. Goodner Professor of Mathematics, 2002 and Associate Chair of Mathematics
Bridge, Geoffrey A., Ph.D., Iowa; John Boden Professor of Music, 2002
Brooks, James S., Ph.D., Oregon; Grace C. and William G. Moulton Professor of Physics, 2002
Bryant, John L., Ph.D., Georgia; Distinguished Research Professor, 1994–1995, Orville G. Harrold Professor of Mathematics, 2002
Burnett, William C., Ph.D., Hawaii; Carl Henry Oppenheimer Professor of Oceanography, 2002
Case, Bettye Anne, Ph.D., Alabama; Olga Larson Professor of Mathematics, 1999
Chandra, Namas, Ph.D., Texas A&M; Krishnamurti Karamcheti Professor of Engineering, 2000, and Professor of Mechanical Engineering
Chantong, 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
Chown, William A., Ph.D., North Carolina at Chapel Hill; Richard L. Chappelle Professor of Modern Languages and Linguistics, 1999
Coats, Pamela K., Ph.D., Nebraska at Lincoln; Robert C. Earner 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. Gausted 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, 2002
de Grummond, Nancy T., Ph.D., North Carolina; M. Lynette Thompson Professor of Classics, 1999
Delye, Roy E., M.M., Ph.D., James Professor of Voice, 2001, Professor of Music
Dewar, William K., Ph.D., Massachusetts Institute of Technology; Pierre Wender Professor of Oceanography, 2001, and Faculty Associate, School of Computational Science and Information Technology
Dorsay, John, Ph.D., Cincinnati; Katherine Blood Hoffman Professor of Chemistry, 2000
Dressang, Eliza T., Ph.D., University of Wisconsin-Madison; Eliza Atkins Gleason Professor of Information Studies, 2003
Driscoll, Marc 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., Ohio State; Hale G. Smith Professor of Anthropology, 2003, Chair and Professor of Anthropology
Fernandez, Roberto G., Ph.D., Florida State; Dorothy Loes Horn Professor of Modern Languages and Linguistics, 2001
Manosakis, Efstratios, Ph.D., Illinois at Urbana-Champaign; Donald Robson Professor of Physics, 2001-2002, Professor of Physics, and Scholar/Scientist, Computational Science and Information Technology

Marcus, Nancy H., Ph.D., Yale; Robert O. Lawton Distinguished Research Professor, 2001-2002, Mary Sears Professor of Oceanography

Marshall, Alan G., Ph.D., Stanford; Distinguished Research Professor, 1998-1999, Kashia Professor of Chemistry

McEraith, Joseph R., Ph.D., South Carolina; William Hubbard Professor of English, 1999

McKenzie, Ian, Ph.D., North Carolina; Ralph A. Bradley Professor of Statistics, 2000

McNeece, C. Aaron, Ph.D., Michigan; Walter H. Hudson Professor of Social Work, 2000

Moffett, Robert H., 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 Fritjof Nansen Professor of Oceanography

Ohlson, P., B.M., Ohio; State; Charles O. Deanley 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, Gunter Schwarz Professor of Physics, 2000

Peters, Michael, Ph.D., Ohio State; Elvin J. Danin Professor of Engineering, 2000, and Chair of Chemical Engineering

Pfeiffer, 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 Oelschlager Professor of Modern Languages, 2000, and Chair of Modern Languages and Literatures

Pohl, Mary E., Ph.D., Harvard University; Laura Jepsen Professor of Anthropology, 2003

Porterfield, Amanda, Ph.D., Stanford; Robery A. Spivey Professor of 2002, Visiting Professor of Religion, College of Arts and Sciences

Portman, Richard R., Ph.D., California at Santa Barbara; Laurel L. Schendel Professor of Communication Disorders, 2000

Portman, Richard R., Ph.D., Virginia; E.P. Miles Professor of Computer Science, 2003

Pierce, Richard, Ph.D., Illinois; 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

Rigby, Peter, Ph.D., Temple University; James Gust Skofronick Professor of Physics, 2003, Professor of Physics and Scholar/Scientist, School of Computational Science and Information Technology

Riley, Mark, Ph.D., Liverpool; Raymond K. Sheline Professor of Physics, 2000

Roberts, Thomas M., Ph.D., Notre Dame; Robert B. Shambaugh Professor in Biological Science, 2002, and Chair of Biological Science

Ruhl, John B., LL.M., George Washington; J.D., Virginia; Joseph Story Professor of Law, 2001

Salter, Richard, Ph.D., University at Albany; Distinguished Teaching Professor, 2002-2003, D.K. Salunke Professor of Food Science, 2001, and Professor of Nutrition, Food and Exercise Sciences

Schefter, Lee, Ph.D., University of Massachusetts, Amherst; Leo Mandelkern Professor of Polymer Science, 2003, Professor of Chemistry and Biochemistry

Seaton, 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 Cofin Professor of English, 2000

Stephan, Friedrich, Ph.D., California at Berkeley; Curt P. Richter Professor of Psychology and Neuroscience, 2000

Stein, David E., Ph.D., Massachusetts Institute of Technology; Distinguished Research Professor, 1995-1996, National Academy of Sciences, V.W. Ekmann 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 Dornman Professor of Classics, 2000, Chair of Classics

Thomas Andre, D.M.A., Illinois; Owen F. Sellers Professor of Music, 1999

Torgeson, Joseph, Ph.D., Michigan; 1996-1997, Robert M. Gagge 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 Malott, D., Ph.D., California at Riverside; Robert A. Kroumhot 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; H.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; Julie Chaney Professor of Meteorology, 2003

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 1959-1960, Chair and Professor 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)

Grumwald, Ernest Max, Ph.D., California; Distinguished Professor 1960-1961, Professor of Chemistry and Professor of Chemistry and Director, Institute of Molecular Biophysics (Retired)

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)

Lloyd, Dorothy Lois Breen, Ph.D., Illinois; Distinguished Professor 1963-1964, Professor of Modern Languages and Linguistics (Deceased 3/7/88)

Floyd, Carlisle, J., M.M., Distinguished Professor 1964-1965, Professor of Music (Retired)

Watts, Betty Monaghan, Ph.D., Washington, St. Louis; Distinguished Professor 1965-1966, Professor of Food and Nutrition (Retired)

NATIONAL ACADEMY OF SCIENCES THE 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

FOR SALE

The Florida State University

MEMBERSHIP

Robert O. Lawton Distinguished Professor 1966-1967, and Royal Danish Academy of Science and Letters (Retired) McKenzie Professor 1966-1967, and Royal Danish Academy of Science and Letters (Retired) Nobelist 1972, Professor of Physics, National High Magnetic Field Laboratory Scalier, 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, W.V. 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)
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Publication Credits

Office of the University Registrar

John Barnhill, Director of Admissions and Records
Timothy Martin, University Registrar
Kimberly A. Barber, Associate University Registrar
Traci Matthews, Coordinator of Curriculum Publications
Christopher Klotschkow, Coordinator of Curriculum Publications
Erika D. McVoy, Coordinator of Curriculum Publications
Alan Lahtinen, Director of Academic Multimedia
Daniel Batista, Staff Photographer
Stacey Comora, Technical Assistant
Sarah Hopkins, Technical Assistant
Lauren Llewellyn, Technical Assistant
Julian Oh, Technical Assistant
Andrew Perrin, Technical Assistant
Lauren Shows, Technical Assistant
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